

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPAL653RAW

PASSWORD:

***** RECONNECTED TO STN INTERNATIONAL *****
SESSION RESUMED IN FILE 'REGISTRY' AT 12:34:32 ON 07 OCT 2004
FILE 'REGISTRY' ENTERED AT 12:34:32 ON 07 OCT 2004
COPYRIGHT (C) 2004 American Chemical Society (ACS)

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
1067.56	1067.77

=> Index biosci

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
1067.98	1068.19

INDEX

'ADISCTI', ADISINSIGHT, ADISNEWS, AGRICOLA, AQUALINE, ANABSTR, ANTE,
AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS,
BIOTECHNO, CABA, CANCERLIT, CAPUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB,
CROPU, DISSABS, DFB, DDFU, DGENE, ... ENTERED AT 12:34:53 ON 07 OCT
2004

74 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s 11

0* FILE ADISCTI
0* FILE ADISINSIGHT
0* FILE ADISNEWS
0* FILE AGRICOLA
0* FILE AQUALINE
0* FILE ANABSTR
0* FILE ANTE
0* FILE AQUASCI
0* FILE BIOBUSINESS
0* FILE BIOCOMMERCE
0* FILE BIOENG
0* FILE BIOSIS
0* FILE BIOTECHABS
0* FILE BIOTECHDS
0* FILE BIOTECHNO
0* FILE CABA
0* FILE CANCERLIT
0* FILE CAPUS
0* FILE CEABA-VTB
0* FILE CEN

0* FILE CIN
0* FILE CONFSCI
0* FILE CROPB
0* FILE CROPU
0* FILE DISSABS
0* FILE DFB
0* FILE DDFU

=> set detail on
SET COMMAND COMPLETED

=> s 11

FILE 'ADISCTI'
'SQSP' IS NOT A VALID FIELD CODE
0 CIPNDGFTV[ANDQEGILMFSTV][EGKSY][PDENGLKSTV][RGW][LIRANQPS
TV][LLEWY]/SQSP
FILE 'ADISINSIGHT'
'SQSP' IS NOT A VALID FIELD CODE
0 CIPNDGFTV[ANDQEGILMFSTV][EGKSY][PDENGLKSTV][RGW][LIRANQPS
TV][LLEWY]/SQSP
FILE 'ADISNEWS'
'SQSP' IS NOT A VALID FIELD CODE
0 CIPNDGFTV[ANDQEGILMFSTV][EGKSY][PDENGLKSTV][RGW][LIRANQPS
TV][LLEWY]/SQSP
FILE 'AGRICOLA'
'SQSP' IS NOT A VALID FIELD CODE
0 CIPNDGFTV[ANDQEGILMFSTV][EGKSY][PDENGLKSTV][RGW][LIRANQPS
TV][LLEWY]/SQSP
FILE 'AQUALINE'
'SQSP' IS NOT A VALID FIELD CODE
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TV][LLEWY]/SQSP
FILE 'ANABSTR'
'SQSP' IS NOT A VALID FIELD CODE
0 CIPNDGFTV[ANDQEGILMFSTV][EGKSY][PDENGLKSTV][RGW][LIRANQPS
TV][LLEWY]/SQSP
FILE 'ANTE'
'SQSP' IS NOT A VALID FIELD CODE
0 CIPNDGFTV[ANDQEGILMFSTV][EGKSY][PDENGLKSTV][RGW][LIRANQPS
TV][LLEWY]/SQSP
FILE 'AQUASCI'
'SQSP' IS NOT A VALID FIELD CODE
0 CIPNDGFTV[ANDQEGILMFSTV][EGKSY][PDENGLKSTV][RGW][LIRANQPS
TV][LLEWY]/SQSP
FILE 'BIOBUSINESS'
'SQSP' IS NOT A VALID FIELD CODE
0 CIPNDGFTV[ANDQEGILMFSTV][EGKSY][PDENGLKSTV][RGW][LIRANQPS
TV][LLEWY]/SQSP
FILE 'BIOCOMMERCE'
'SQSP' IS NOT A VALID FIELD CODE
0 CIPNDGFTV[ANDQEGILMFSTV][EGKSY][PDENGLKSTV][RGW][LIRANQPS
TV][LLEWY]/SQSP
FILE 'BIOENG'
'SQSP' IS NOT A VALID FIELD CODE
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TV][LLEWY]/SQSP
FILE 'BIOSIS'

```

'sOSP' IS NOT A VALID FIELD CODE
0 C[PRNDGFTY][ANDGGLMFPSTYV][EGKSY][PDENQGLKSTY][RGW][LIRNQP
FILE 'BIOTECHAS'
TV][LIFWY]/SQSP
'sOSP' IS NOT A VALID FIELD CODE
0 C[PRNDGFTY][ANDGGLMFPSTYV][EGKSY][PDENQGLKSTY][RGW][LIRNQP
FILE 'BIOTECHDS'
TV][LIFWY]/SQSP
'sOSP' IS NOT A VALID FIELD CODE
0 C[PRNDGFTY][ANDGGLMFPSTYV][EGKSY][PDENQGLKSTY][RGW][LIRNQP
FILE 'BIOTECHNO'
TV][LIFWY]/SQSP
'sOSP' IS NOT A VALID FIELD CODE
0 C[PRNDGFTY][ANDGGLMFPSTYV][EGKSY][PDENQGLKSTY][RGW][LIRNQP
FILE 'CABA'
TV][LIFWY]/SQSP
'sOSP' IS NOT A VALID FIELD CODE
0 C[PRNDGFTY][ANDGGLMFPSTYV][EGKSY][PDENQGLKSTY][RGW][LIRNQP
FILE 'CANCERLIT'
TV][LIFWY]/SQSP
'sOSP' IS NOT A VALID FIELD CODE
0 C[PRNDGFTY][ANDGGLMFPSTYV][EGKSY][PDENQGLKSTY][RGW][LIRNQP
FILE 'CAPLUS'
TV][LIFWY]/SQSP
'sOSP' IS NOT A VALID FIELD CODE
0 C[PRNDGFTY][ANDGGLMFPSTYV][EGKSY][PDENQGLKSTY][RGW][LIRNQP
FILE 'CEABA-VTB'
TV][LIFWY]/SQSP
'sOSP' IS NOT A VALID FIELD CODE
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FILE 'CEN'
TV][LIFWY]/SQSP
'sOSP' IS NOT A VALID FIELD CODE
0 C[PRNDGFTY][ANDGGLMFPSTYV][EGKSY][PDENQGLKSTY][RGW][LIRNQP
FILE 'CIN'
TV][LIFWY]/SQSP
'sOSP' IS NOT A VALID FIELD CODE
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FILE 'CONFSCI'
TV][LIFWY]/SQSP
'sOSP' IS NOT A VALID FIELD CODE
0 C[PRNDGFTY][ANDGGLMFPSTYV][EGKSY][PDENQGLKSTY][RGW][LIRNQP
FILE 'CROB'
TV][LIFWY]/SQSP
'sOSP' IS NOT A VALID FIELD CODE
0 C[PRNDGFTY][ANDGGLMFPSTYV][EGKSY][PDENQGLKSTY][RGW][LIRNQP
FILE 'DISABS'
TV][LIFWY]/SQSP
'sOSP' IS NOT A VALID FIELD CODE
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FILE 'DDFB'
TV][LIFWY]/SQSP
'sOSP' IS NOT A VALID FIELD CODE

```

```

0 C[PRNDGFTY][ANDGGLMFPSTYV][EGKSY][PDENQGLKSTY][RGW][LIRNQP
FILE 'DDFU'
TV][LIFWY]/SQSP
'sOSP' IS NOT A VALID FIELD CODE
0 C[PRNDGFTY][ANDGGLMFPSTYV][EGKSY][PDENQGLKSTY][RGW][LIRNQP
FILE 'DEENE'
TV][LIFWY]/SQSP
SEARCH NOT VALID, USE RUN GETSEQ
=> file home]
'HOME' IS NOT A VALID FILE NAME
SESSION CONTINUES IN INDEX FILES 'ADISCTI, ADISINSIGHT, ADISEMS, AGRICOLA,
AQUALINE,
ANABSTR, ANTE, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHAS,
BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI,
CROB, CROPU, DISABS, DDFB, DDFU, DEENE, DRUGB, DRUGONOG2, IMSDRUGEMS, DRUGU,
IMRESEARCH, EMBAL, EMBASE, ESBIOBASE, FEDRIIP, FOWAD, FOREGE, FROSTI, FSTA,
GENBANK, HEALSAFE, IIPAT, IMSPRODUCT, JICST-EPLUS, KOSMET, LIFESCI, MEDICINF,
MEDLINE, NIOSHTIC, NITS, NUTRACEUT, OCEAN, PASCAL, PCTGEN, PHAR, PHARMAM, PHIC,
PHIN, PROMT, PROUSODR, RDISCLOSURE, SCISEARCH, STINTHLINE, TOXCENTER, USPATFULL,
USPAT2, VETB, VETU, WATER, WELDS, WPIFV, WPIINDEX'
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files
that are available. If you have requested multiple files, you can
specify a corrected file name or you can enter "IGNORE" to continue
accessing the remaining file names entered.

```

```

=> file home
COST IN U.S. DOLLARS
FULL ESTIMATED COST
1.71
TOTAL
ENTRY SESSION
1069.90

```

FILE 'HOME' ENTERED AT 12:36:28 ON 07 OCT 2004

```

=> log h
COST IN U.S. DOLLARS
FULL ESTIMATED COST
0.21
TOTAL
ENTRY SESSION
1070.11

```

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:36:41 ON 07 OCT 2004

Connecting via Winsock to STN

Welcome to STN International! Enter X:X

LOGINID:SSSPTA1653RAW

PASSWORD:

***** RECONNECTED TO STN INTERNATIONAL *****
SESSION RESUMED IN FILE 'HOME' AT 12:38:07 ON 07 OCT 2004

FILE 'HOME' ENTERED AT 12:38:07 ON 07 OCT 2004

COST IN U.S. DOLLARS

```

SINCE FILE
ENTRY TOTAL
SESSION

```

FULL ESTIMATED COST 0.21 1070.11

=> file biosis caplus

COST IN U.S. DOLLARS

FULL ESTIMATED COST 0.21

FILE 'BIOSIS' ENTERED AT 12:38:20 ON 07 OCT 2004

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FILE 'CAPLUS' ENTERED AT 12:38:20 ON 07 OCT 2004

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=> s 11

'SOSP' IS NOT A VALID FIELD CODE

'SOSP' IS NOT A VALID FIELD CODE

L41 0 L1

=> log h

COST IN U.S. DOLLARS

FULL ESTIMATED COST 1.29

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 12:38:57 ON 07 OCT 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1633RAW

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'BIOSIS, CAPLUS' AT 12:40:39 ON 07 OCT 2004

FILE 'BIOSIS' ENTERED AT 12:40:39 ON 07 OCT 2004

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FILE 'CAPLUS' ENTERED AT 12:40:39 ON 07 OCT 2004

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COST IN U.S. DOLLARS

FULL ESTIMATED COST 1.29

=> file home

COST IN U.S. DOLLARS

FULL ESTIMATED COST 1.29

FILE 'HOME' ENTERED AT 12:40:48 ON 07 OCT 2004

=> file caplus

COST IN U.S. DOLLARS

FULL ESTIMATED COST 0.21

FILE 'CAPLUS' ENTERED AT 12:40:52 ON 07 OCT 2004

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FILE COVERS 1907 - 7 Oct 2004 VOL 141 ISS 15

FILE LAST UPDATED: 6 Oct 2004 (20041006/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 11

L42 5026 L1

=> s 12

L43 114 L2

=> s 13

L44 8 L3

=> s 142 or 143 or 144

L45 5029 L42 OR L43 OR L44

=> dup rem 145

PROCESSING IS APPROXIMATELY 20% COMPLETE FOR L45

PROCESSING IS APPROXIMATELY 42% COMPLETE FOR L45

PROCESSING IS APPROXIMATELY 65% COMPLETE FOR L45

PROCESSING IS APPROXIMATELY 87% COMPLETE FOR L45

PROCESSING COMPLETED FOR L45

L46 4761 DUP REM L45 (268 DUPLICATES REMOVED)

=> s 146 not wescott/in

L47 4761 S 146

L48 4761 L47 NOT WESCOTT/IN

=> s 148 not wescott/au

L49 4761 L48 NOT WESCOTT/AU

=> e wescott/in

0* FILE BIOBUSINESS
0* FILE BIOCOMMERCE
0* FILE BIOENG
0* FILE BIOSIS
0* FILE BIOTECHABS
0* FILE BIOTECHS
0* FILE BIOTECHNO
0* FILE CABAA
0* FILE CANCERLIT
0* FILE CAPLUS
0* FILE CEABA-VTB
0* FILE CEN
0* FILE CIN
0* FILE CONFSCI
0* FILE CROPH
0* FILE CROPH
0* FILE DISSABS
0* FILE DIFB
0* FILE DIFU

FILE 'HOME' ENTERED AT 12:36:28 ON 07 OCT 2004

FILE 'BIOSIS' CAPLUS' ENTERED AT 12:38:20 ON 07 OCT 2004

0 S L1

FILE 'HOME' ENTERED AT 12:40:48 ON 07 OCT 2004

FILE 'CAPLUS' ENTERED AT 12:40:52 ON 07 OCT 2004

5026 S L1
114 S L2
8 S L3
5029 S L42 OR L43 OR L44
4761 DUP REM L45 (268 DUPLICATES REMOVED)
4761 S L46
4761 S L46 NOT WESCOTT/IN
4761 S L48 NOT WESCOTT/AU
4761 S L48 NOT WESCOTT/IN
4761 S L46
4759 S L46 NOT E6
4757 S L51 NOT FIBRIN

=> s 144 not e6
5 "WESCOTT CHARLES R"/IN
6 L44 NOT "WESCOTT CHARLES R"/IN

=> d 153 bib ab

L53 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:634089 CAPLUS
DN 141:67846
TI Binding peptides for the KDR receptor and vascular endothelial growth factor/KDR complex and their use in diagnosis, therapy, and imaging of angiogenesis-related disorders
IN Sato, Aaron K.; Sexton, Daniel J.; Dransfield, Daniel T.; Ladher, Robert C.; Arboagast, Christophe; Bussat, Philippe; Fan, Hong; Khurana, Sucha; Linder, Karen E.; Marinelli, Edmund R.; Nanjappan, Palanippai Nunn; Arian, Pillai, Radhakrishna; Poehon, Sibyller; Ramalingam, Kondareddiari

Shrivastava, Ajay; Song, Bo; Swenson, Rolf E.; Von Wronski, Matthew A.
PA Dyak Corp., USA; Bracco International B.V.
SO PCT Int. Appl., 470 PP.
DT Patent
LA English
FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 200405621	A1	20040805	WO 2003-052873	20030911
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MX, MY, NZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD				
RM: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GQ, GM, ML, MR, NE, SN, TD, TG				
WO 2003074005	A2	20030912	WO 2003-056731	20030303
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MX, MY, NZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RM: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GQ, GM, ML, MR, NE, SN, TD, TG				
PRAI US 2002-360851P	P	20020301		
US 2003-440411P	P	20030115		
US 2003-382082	A2	20030303		
WO 2003-056731	A2	20030303		
AB The present invention provides peptides, peptide dimers, and multimeric complexes comprising at least one binding moiety for KDR receptor or vascular endothelial growth factor (VEGF)/KDR complex, which have a variety of uses wherever treating, detecting, isolating, or localizing angiogenesis is advantageous. Particularly disclosed are synthetic, isolated peptides capable of binding KDR or VEGF/KDR complex with high affinity (e.g., having a KD < 1 .mu.M), and dimer and multimeric constructs comprising these polypeptides. The involvement of VEGF and KDR in angiogenesis makes the binding peptides particularly useful for imaging important sites of angiogenesis, e.g., neoplastic tumors, for targeting substances, e.g., therapeutics, including radiotherapeutics, to such sites, and for treating certain disease states, including those associated with inappropriate angiogenesis.				
RE.CNT 4				
THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD				
ALL CITATIONS AVAILABLE IN THE RE FORMAT				

IN Rosen, Craig A.; Barash, Steven C.; Ruben, Steven M.
PA Human Genome Sciences, Inc., USA
SO PCT Int. Appl., 1701 pp.
CO: CODEN: PIXXD2

DT Patent
LA English

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001059063 A2		20010816	WO 2001-US1334	20010117
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, NZ, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, AY, KG, KZ, MD, RU, TJ, TM				
RM: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, NL, MR, NE, NL, PT, SE, SN, TD, TG, TR				
PRAI US 2000-PV179065	20000131			
US 2000-PV180628	20000204			
US 2000-PV184664	20000224			
US 2000-PV186350	20000302			
US 2000-PV189874	20000316			
US 2000-PV190076	20000317			
US 2000-PV198123	20000418			
US 2000-PV205515	20000519			
US 2000-PV209467	20000607			
US 2000-PV214866	20000628			
US 2000-PV215135	20000630			
US 2000-PV216647	20000707			
US 2000-PV216880	20000707			
US 2000-PV217487	20000711			
US 2000-PV217496	20000711			
US 2000-PV218290	20000714			
US 2000-PV220963	20000726			
US 2000-PV220964	20000726			
US 2000-PV225757	20000814			
US 2000-PV225270	20000814			

AB

The present invention relates to novel nervous system-related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "nervous system antigens", and antibodies that immunospecifically bind these polypeptides, and the use of such nervous system polynucleotides, antigens, and antibodies for detecting, treating, preventing and/or prognosing disorders of the nervous system, including, but not limited to, the presence of nervous system cancer and nervous system metastases. More specifically, 3324 isolated nervous system cDNA mols. and 7200 genomic DNA mols. are provided encoding novel human nervous system polypeptides. Novel nervous system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human nervous system polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the nervous system, including nervous system cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compns. for inhibiting or

promoting the prodn. and/or function of the polypeptides of the invention. [This abstr. record is two of three records for this document necessitated by the large no. of index entries required to fully index the document and publication system constraints.]

L53 ANSWER 5 OF 6 CAPJUS COPYRIGHT 2004 ACS on STN

AN 2001:247142 CAPJUS

DN 134:306971

TI Colon and colon cancer associated cDNAs and proteins and their use in diagnosis and treatment of colon cancer

IN Ruben, Steven M.; Barash, Steven C.; Birse, Charles E.; Rosen, Craig A.

PA Human Genome Sciences, Inc., USA

SO PCT Int. Appl., 9787 pp.

CO: CODEN: PIXXD2

DT Patent

LA English

PRAI US 2000-PV179065

US 2000-PV180628

US 2000-PV184664

US 2000-PV186350

US 2000-PV189874

US 2000-PV190076

US 2000-PV198123

US 2000-PV205515

US 2000-PV209467

US 2000-PV214866

US 2000-PV215135

US 2000-PV216647

US 2000-PV216880

US 2000-PV217487

US 2000-PV217496

US 2000-PV218290

US 2000-PV220963

US 2000-PV220964

US 2000-PV225757

US 2000-PV225270

US 2000-PV225270

US 2000-PV225270

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US 2000-PV225270

US 2000-PV225270

US 2000-PV225270

US 2000-PV225270

US 2000-PV225270

US 2000-PV225270

L53 ANSWER 6 OF 6 CAPJUS COPYRIGHT 2004 ACS on STN

AN 2001:35512 CAPLUS
 DN 134:249803
 TI Spe-29 encodes a small predicted membrane protein required for the initiation of sperm activation in *Caenorhabditis elegans*
 AU Nance, Jeremy; Davis, Elizabeth B.; Ward, Samuel
 CS Department of Molecular and Cellular Biology, University of Arizona, Tucson, AZ, 85721, USA
 SO Genetics (2000), 156(4), 1623-1633
 PB GENETICS; ISSN: 0016-6731
 DT English
 LA Journal
 AB *C. elegans* spermatids complete a dramatic morphogenesis to crawling spermatozoa in the absence of an actin- or tubulin-based cytoskeleton and without synthesizing new gene products. Mutations in 3 genes (*spe-6*, *spe-12*, and *spe-27*) prevent the initiation of this morphogenesis, termed activation. Males with mutations in any of these genes are fertile. By contrast, mutant hermaphrodites are self-sterile when unmated due to a failure in spermatid activation. Intriguingly, mutant hermaphrodites form functional spermatozoa and become self-fertile upon mating, suggesting that spermatids can be activated by male seminal fluid. Here we describe a mutation in a 4th gene, *spe-29*, which mimics the phenotype of *spe-8*, *spe-12*, and *spe-27* mutants. *Spe-29* sperm are defective in the initiation of hermaphrodite sperm activation, yet they maintain the ability to complete the morphogenetic rearrangements that follow. Mutant alleles of *spe-12*, *spe-27*, and *spe-29* exhibit genetic interactions that suggest that the wild-type products of these genes function in a common signaling pathway to initiate sperm activation. We have identified the *spe-29* gene, which is expressed specifically in the sperm-producing germ line and is predicted to encode a small, novel transmembrane protein.
 RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s 143 not e6
 L54 112 L43 NOT "WESCOTT CHARLES R"/IN
 5 "WESCOTT CHARLES R"/IN
 => s 154 and PY<1999
 L55 18927350 PY<1999
 16 L54 AND PY<1999
 => s 155 not 153
 L56 16 L55 NOT L53
 => d 156 bib ab 1-16
 L56 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1999:125754 CAPLUS
 DN 130:178389
 TI Nucleic acids encoding human merosin, merosin fragments and uses thereof
 AU Engvall, Eva; Leivo, Ilmo
 CS La Jolla Cancer Research Foundation, USA
 SO U.S., 80 PP., Cont.-in-part of U.S. Ser. No. 919,951, abandoned.
 DT Patent

LA English
 FA.N.CNT 3
 P1 PATENT NO. KIND DATE APPLICATION NO. DATE
 US 587221 A 19990216 US 1993-125077 19930922
 CA 217235 AA 19950330 CA 1994-217235 19940921
 WO 9508628 A2 19950330 WO 1994-US10730 19940921
 WO 9508628 A3 19950511
 W: AM, AU, BE, BG, BR, BY, CA, CN, CZ, FI, GE, HU, JP, KE, KR, KZ, UK, LV, MG, MN, NO, NZ, PL, RU, SD, SK, UA, UZ, VN
 RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, EF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG
 AU 9478770 A1 19950410 EP 1994-78770 19940921
 EP 720651 A1 19960710 EP 1994-929860 19940921
 R: BE, CH, DE, DK, FR, GB, IT, LI, NL, SE
 JP 09505985 T2 19970617 JP 1995-509932 19940921
 US 5624905 A 19970429 US 1995-393250 19940921
 US 5837496 A 19981117 US 1995-460309 19950602
 PRA1 US 1990-472319 B1 19900130
 US 1992-519951 B2 19920727
 US 1991-734201 B1 19910722
 US 1993-103032 B1 19930708
 US 1993-125077 A 19930922
 WO 1994-US10730 W 19940921
 AB This invention provides an isolated nucleic acid mol. encoding a subunit of a protein, the protein having an apparent mol. wt. of about 800 kDa, designated merosin (also known as laminin 2). Also provided are isolated nucleic acid mols. which encode merosin fragments. Anti-merosin antibodies, vectors for the recombinant prodn. of merosin, and the expression of recombinant proteins by use of a host vector system also are provided. The human merosin gene is mapped on human chromosome 6. The invention further provides the use of merosin to promote neurite growth and for certain diagnostic applications.
 RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L56 ANSWER 2 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1996:637403 CAPLUS
 DN 130:50229
 TI Allele frequencies of the STR locus HumFGA in an Italian population
 AU Buscemi, L.; Tagliabacchi, A.; Bianchi, F.; Paoli, M.; Saccaroli, C.; Rodriguez, D.; Gaetano, L.; Ponzone, E.; Cortivo, P.; Previtere, C.; Peloso, G.; Pierucci, G.; Bibbiani, R.; Nardone, M.; Spinetti, I.; Domenici, R.; Bargagna, M.
 CS University of Ancona, Italy
 SO International Congress Series (**1998**), 1167(Progress in Forensic Genetics 7), 249-251
 CODEN: EXMD44; ISSN: 0531-9131
 PB Elsevier Science B.V.
 DT Journal
 LA English
 AB Collaborative research on the polymorphism of the STR locus HumFGA was carried out by the Institutes of Legal Medicine in 4 Italian regions: (Marche, Veneto, Lombardy, and Tuscany). The aim was to establish a database of allelic frequencies with a view to applying HumFGA in forensic identification and paternity testing. The goal for each participating lab. was to study .storeq.100 genotypes of unrelated, locally residing

individuals. The results of statistical anal. were highly informative (PD = 0.96 and mean exclusion change = 0.71) suggesting that this system is a powerful tool for forensic routine.

RE.CNT 8

ALL CITATIONS AVAILABLE IN THE RE FORMAT

ALL CITATIONS AVAILABLE IN THE RE FORMAT

156 ANSWER 3 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1996:681655 CAPLUS

TI 125:319487

Structure of the human laminin .alpha.2-chain gene (LAMA2), which is affected in congenital muscular dystrophy

AU Zhang, Xu; Vucelja, Reetta; Tryggvason, Karl

CS Division Matrix Biology, Karolinska Institute, Stockholm, S-171 77, Sweden.

SO Journal of Biological Chemistry (***1996***), 271(44), 27664-27669

CODEN: JBCHA3; ISSN: 0021-9258

PA American Society for Biochemistry and Molecular Biology

DT Journal

LA English

We have detd. the structure and complete exon size pattern of the human laminin .alpha.2-chain gene (LA-MA2), which has been shown to be affected in congenital muscular dystrophy (Helbling-Leclerc, A., Zhang, X., Topaloglu, H., Cruaud, C., Tesson, F., Weissensbach, J., Tome, F. M. S., Schwartz, K., Fardeau, M., Tryggvason, K., and Guicheney, P. (1995) Nat. Genet. 11,216-218). The gene is over 260,000 base pairs and contains 64 exons. The sequence of all exon-intron borders was detd. Two of the exons, 1.e., exons 43 and 52, are extremely small in size, 6 and 12 base pairs, resp. Comparison of the exon pattern of the human LAMA2 gene with that of the Drosophila LAMA gene revealed that only 2 of 63 intron locations in the 5'-end of the human gene match the intron locations in the Drosophila gene, which contains 14 introns.

156 ANSWER 4 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1995:924041 CAPLUS

TI 124:48609

Fibrinogen .alpha. genes: conservation of bipartite transcripts and carboxy-terminal-extended .alpha. subunits in vertebrates

AU Fu, Yiping; Cao, Yan; Hertzberg, Kathe M.; Griendler, Gerd

CS Lindsay F. Kimball Res. Inst. of the New York Blood Center, New York, NY, 10021, USA

SO Genomics (***1995***), 30(1), 71-6

CODEN: GNMCEP; ISSN: 0888-7343

PA Academic

DT Journal

LA English

All three well-studied subunits of the clotting protein fibrinogen (.alpha., .beta., .gamma.) share N-terminal structural homologies, but until recently only the .beta. and .gamma. chains were recognized as having similar globular C-terminal. With the discovery of an extra exon in the human fibrinogen .alpha. gene (exon VI), a minor form of the .alpha. subunit (.alpha.E) with an extended .beta.- and .gamma.-like C-terminus has been identified (Fu et al., Biochem. J., 1996, 1992). In the present study, the polymerase chain reaction has been used to identify sequences that encode counterparts to .alpha.E in chicken, rabbit, rat, and baboon. The basic six-exon structure of the fibrinogen .alpha. genes is shown to be conserved among mammals and birds, as are the intron positions. Bipartite transcripts still bearing an intron prior to the last exon-are found among the products of the various vertebrate fibrinogen .alpha.

genes. The last exon represents the largest conserved segment of the gene and, in each species examined, encodes exactly 236 amino acids. The C-termini of these .alpha.E chains align without a single gap and are between 76 and 99% identical. Since the exon VI-encoded domain of .alpha.E is as well conserved as the corresponding regions of the .beta. and .gamma. chains, it follows that it is equally important and that .alpha.E-fibrinogen plays a vital, if as-yet unrecognized physiol. role.

156 ANSWER 5 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1995:667298 CAPLUS

TI 123:49265

Nucleic acids encoding human merosin, merosin fragments and uses thereof and merosin enhancement of neurite growth

IN Engvall, Eva; Leivo, Ilmo

PA La Jolla Cancer Research Foundation, USA

SO PCT Int. Appl., 65 pp.

CODEN: PIXND2

DT Patent

LA English

FAN.CNT 3

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9508628	A2	19950330	WO 1994-US10730	19940921
WO 9508628	A3	19950511		

W: AU, AU, BB, BG, BR, BY, CA, CN, CZ, FI, GE, HU, JP, KE, KR, KZ, LK, LV, MG, MN, NO, NZ, PL, RO, RU, SD, SK, UA, UZ, VN

RW, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

US 5872231 A 19990216 AU 1993-125077 19930922

AU 9478770 A1 19950410 AU 1994-78770 19940921

EP 720651 A1 19960710 EP 1994-929860 19940921

R: BE, CH, DE, DK, FR, GB, IT, LI, NL, SE

JP 09505985 T2 19970617 JP 1995-509932 19940921

PRAT US 1993-125077 A 19930922

US 1990-472319 B1 19900130

US 1992-919951 B2 19920727

WO 1994-US10730 W 19940921

AB This invention provides an isolated nucleic acid mol. encoding a subunit of a protein, the protein having an apparent mol. wt. of about 800 kD, designated merosin. Also provided are isolated nucleic acid mols. which encode merosin fragments. Anti-merosin antibodies, vectors for the recombinant prodn. of merosin, and the expression of recombinant proteins by use of a host vector system also are provided. The human merosin gene is mapped on human chromosome 6. The invention further provides the use of merosin to promote neurite growth and for certain diagnostic applications.

156 ANSWER 6 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1995:393761 CAPLUS

TI 123:248220

Cloning and expression of laminin .alpha.2 chain (M-chain) in the mouse

AU Berrier, Suzanne M.; Urtati, Katsuhiko; Sugiyama, Satoru; Doi, Toshio

CS Laboratory of Developmental Biology, National Institute of Dental Research, Bethesda, MD, USA

SO Matrix Biology (***1995***), 14(6), 447-55

CODEN: MTBOEC; ISSN: 0945-053X

PB Fischer
 DT Journal
 LA English
 AB Laminins are a family of heterotrimeric glycoproteins specific to basement membranes. Laminin-2, consisting of .alpha.2, .beta.1, and .gamma.1 chains, was originally identified in the basement membranes of skeletal muscle and peripheral nerve. The authors have isolated and sequenced the full-length cDNA for the mouse laminin .alpha.2 chain. Four overlapping clones spanning 9,330 bp encode a predicted polypeptide of 3,106 amino acids having a calcd. mol. mass of 350 kDa including a 23-amino-acid signal peptide. The amino acid sequence of the .alpha.2 chain shares a 45.9% identity with that of the .alpha.1 chain. Similar to the structure of the .alpha.1 chain, the .alpha.2 chain consists of several domains beginning at the N-terminus with three globular domains alternating with three epidermal growth factor-like domains followed by two .alpha.1-helical domains and a C-terminal globular domain. The most N-terminal globular domain is highly conserved (77.3% identity) between the .alpha.2 and .alpha.1 chains, whereas the .alpha.1-helical domains have low homol. (30.3% identity). Northern blot and RNase protection anal. revealed expression of mRNA for the .alpha.2 chain in heart, kidney, liver, skin, lung and skeletal muscle of newborn mice. Such a tissue distribution suggests a role for the .alpha.2 chain and, consequently, laminin-2 or -4 not only in the organization and the function of nerve and muscle tissue but possibly also in the mesenchymal components of certain tissues.

L56 ANSWER 7 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1994:506510 CAPLUS
 DN 121:106510
 TI Synthetic peptides from fibrinogen and anti-peptide antibodies for use in immunosay and treatment of fibrinolytic disorders
 IN Kraus, Michael; Stueber, Werner
 PA Behringwerke AG, Germany
 SO Ger. Offen., 34 pp.
 CO CODEN: GXXXEX
 DT Patent
 LA German
 FMN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4242736	A1	19940623	DE 1992-4242736	19921217 <--
EP 605797	A1	19940713	EP 1993-119574	19931209 <--
EP 605797	B1	19990317		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, PT, SE				
AT 177758	E	19990415	AT 1993-119574	19931209
ES 2129487	T3	19990616	ES 1993-119574	19931209
AU 9352435	A1	19940630	AU 1993-52435	19931215 <--
AU 676859	B2	19970327		
US 559678	A	19970204	US 1993-166930	19931215 <--
CA 2111645	AA	19940618	CA 1993-2111645	19931216 <--
JP 06256388	AA	19940913	JP 1993-344306	19931217 <--
US 5881697	A	19991109	US 1996-727045	19961008
US 6441141	B1	20020827	US 1999-408172	19990929
PRAI DE 1992-4242736	A	19921217		
US 1993-166930	A3	19931215		
US 1996-727045	A3	19961008		

AB A method is described for obtaining synthetic peptides by plasmin cleavage of fibrinogen to yield C-terminal ends of the E fragment which are also

antigenic. The peptides are injected into rabbits to produce antibody-producing cells which are used to generate monoclonal antibodies for use in immunosays or in the treatment of fibrinolytic disorders.

L56 ANSWER 8 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1994:126557 CAPLUS
 DN 120:126557
 TI Human laminin M chain (merosin): complete primary structure, chromosomal assignment, and expression of the M and A chain in human fetal tissues
 AU Vuolteenaho, Reetta; Nissinen, Marja; Salho, Kirsi; Byers, Mary; Eddy, Roger; Hirvonen, Harri; Shows, Thomas B.; Sariola, Hannu; Engvall, Eva; Tryggvason, Karl
 CS Biocent., Univ. Oulu, FIN-90570, Finland
 SO Journal of Cell Biology (***1994***), 124(3), 381-94
 CO CODEN: JCLB33; ISSN: 0021-9525
 DT Journal
 LA English
 AB The primary structure of the human laminin M chain was ded. from cDNA clones isolated from human placental libraries. The clones covered a total of 6942 bp, with 49-bp encoding a 5' end untranslated region and 6893-bp coding for a translated sequence. The complete human laminin M chain contains a 22-residue signal peptide and 3,068 residues of the mature M chain. The M chain has a domain structure similar to that of the human and mouse A chains. The homol. between the two human laminin heavy chains is highest in the short arm region and lowest in the long arm. helical domain I + II. Northern blot anal. of human fetal tissues showed that the M chain was expressed in most tissues such as cardiac muscle, pancreas, lung, spleen, kidney, adrenal gland, skin, testis, meninges, choroid plexus, and some other regions of the brain, but not in liver, thymus, and bone. In situ hybridization localized the expression of the M chain gene to cells of mesenchymal origin. In contrast, expression of the A chain was obsd. only in kidney, testis, neuroectoderm and some region of brain as dedcd. by Northern analyses. Epithelial and endothelial cells were neg. for both M and A chain gene transcripts. The gene for the human M chain (LAMB3) was localized to chromosome 6q22.fcdarw.23.

L56 ANSWER 9 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1993:489199 CAPLUS
 DN 119:489199
 TI Carboxy-terminal-extended variant of the human fibrinogen .alpha. subunit: a novel exon conferring marked homology to .beta. and .gamma. subunits
 AU Fu, Yiping; Welsbach, Lawrence; Plant, Patricia W.; Oddoux, Carole; Cao, Yan; Liang, T. Uke; Roy, Samar N.; Redman, Colvin W.; Griendler, Gerald; Lindsay, F. Kimball Res. Inst., New York Blood Cent., New York, NY, 10021, USA
 SO Biochemistry (***1992***), 31(48), 11968-72
 CO CODEN: BICHAU; ISSN: 0006-2960
 DT Journal
 LA English
 AB Similarities between the N-terminal regions of the three subunits of the clotting protein fibrinogen-(.alpha., .beta., .gamma.)-2 suggest that they evolved from a common progenitor. However, to date no human .alpha. chain has been found with the strong C-terminal homol. shared by the .beta. and .gamma. chains. The natural product of a novel fibrinogen .alpha. chain transcript bearing a sep. open reading frame that supplies the missing C-terminal homol. to the other chains is exand. Addtl. splicing leads to the use of this extra sequence as a sixth exon elongating the .alpha.

chain by 35%. Since the extended .alpha. chain (.alpha.2) is assembled into fibrinogen mols. and its synthesis is enhanced by interleukin-6, it suggests participation in both the acute phase response and normal physiology.

L56 ANSWER 10 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1992:544541 CAPLUS
DN 117:144541
TI Nucleotide sequences of the three genes coding for human fibrinogen
AU Chung, Dominic W.; Harris, Jeff E.; Davie, Earl W.
CS Dep. Biochem., Univ. Washington, Seattle, WA, 98195, USA
SO Advances in Experimental Medicine and Biology (***1990***),
281(Fibrinogen, Thromb., Coagulation, Fibrinolysis), 39-48
CODEN: AEMBAP; ISSN: 0065-2598
DT Journal; General Review
LA English

The gene for the A.alpha. chain of human fibrinogen was isolated by plaque hybridization of recombinant lambda phage genomic libraries using cDNAs as hybridization probes. The A.alpha. gene is located at the 3' end of the .gamma. gene and consists of 5 exons. Three single nucleotide differences with the cDNA sequence were observed, but they do not change the amino acids encoded. The majority of the primary translation product (amino acids 153-625) is encoded in one large exon which also contains the tandem repeats unique to the A.alpha. chain. Another unique feature of this gene is that it contains a segment of 100 residues in Intron C that are exclusively pyrimidines and >70% T residues. The sequences of the B.beta. and .gamma. chain genes (E.W. Davie et al., 1983, 1985) are also discussed.

L56 ANSWER 11 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1985:573275 CAPLUS
DN 103:173275
TI Evolution and structure of the fibrinogen genes. Random insertion of
AU introns or selective loss?
AU Crabtree, Gerald R.; Comeau, Claudette M.; Fowlkes, Dana M.; Fornace,
Albert J., Jr.; Malley, James D.; Kant, Jeffrey A.
CS Med. Sch., Stanford Univ., Stanford, CA, 94305, USA
SO Journal of Molecular Biology (***1985***), 185(1), 1-19
CODEN: JMOBAK; ISSN: 0022-2836
DT Journal
LA English

Chromosomal linkage as well as sequence homologies provide unequivocal evidence that the genes for the .alpha., .beta. and .gamma. chains of fibrinogen arose by successive duplication of a single ancestral gene. Yet, when the 3 fibrinogen chains are aligned by amino acid homology, the positions of intervening colcoids at only 2 positions for all 3 chains. Whereas 1 adnl. intron occurs at a homologous site in the .beta. and .gamma. chains, none of the positions of the remaining 11 introns in the 3 genes is shared. This arrangement of introns in the 3 fibrinogen genes suggests that either introns were selectively lost, implying that there is essential information in the retained introns, or the common introns were present in the ancestral fibrinogen gene and introns have been randomly inserted since the triplication of the original gene. The more likely possibility of selective loss of introns implies that the ancestral gene, as it existed, approx. 1 billion years ago, must have been composed of numerous small exons.

L56 ANSWER 12 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1983:517030 CAPLUS
DN 99:117030
TI Partial mRNA sequences for human A.alpha., B.beta., and .gamma. fibrinogen
AU chains: Evolutionary and functional implications
AU Kant, Jeffrey A.; Iord, Susan T.; Crabtree, Gerald R.
CS Lab. Pathol., Natl. Cancer Inst., Bethesda, MD, 20205, USA
SO Proceedings of the National Academy of Sciences of the United States of
America (***1983***), 80(13), 3953-7
CODEN: PNAS66; ISSN: 0027-8424
DT Journal
LA English

Rat cDNA and genomic probes were used to screen a human liver cDNA library to isolate clones of 2274, 855, and 736 base pairs (bp) coding for the A.alpha., B.beta., and .gamma. chains of human fibrinogen. Sequence analysis reveals a hitherto unrecognized extension of 15 amino acids at the C-terminus of the A.alpha. chain, the terminal residue of which is proline. This brings the known length of the human A.alpha. chain to 625 amino acids. The 13-amino acid repeated region in the midportion of the A.alpha. chain clearly has arisen through an 8-fold duplication of a 39-bp genetic element, which itself appears to have been constructed from smaller 6-bp repeating units. Greater than 50% sequence homology between B.beta. and .gamma. chain coding regions confirms that these genes have arisen by duplication and subsequent divergence of an ancestral gene. A comparison of human and rat .gamma. chain cDNAs shows >88% sequence homology over the C-terminal 162 amino acids, implying strong selective pressures on these portions of the .gamma. chain gene.

L56 ANSWER 13 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1983:417447 CAPLUS
DN 99:17447
TI Characterization of a complementary deoxyribonucleic acid coding for the
AU .alpha. chain of human fibrinogen
AU Rixon, Mark W.; Chan, Wai Yee; Davie, Earl W.; Chung, Dominic W.
CS Dep. Biochem., Univ. Washington, Seattle, WA, 98195, USA
SO Biochemistry (***1983***), 22(13), 3237-44
CODEN: BICHAW; ISSN: 0006-2960
DT Journal
LA English

A human liver cDNA library was screened for the .alpha. chain of fibrinogen with a cDNA clone from the corresponding bovine mol. as a hybridization probe. Several human clones coding for the .alpha. chain were identified, and 1 of these was used to rescreen the entire cDNA library of 18,000 recombinants. Plasmids with the largest cDNAs were isolated, and their inserts were sequenced. The largest cDNA insert contained 2224 base pairs, including a noncoding region at the 5' end that was followed by a region coding for a signal peptide of 19 (or 16) amino acids and a mature protein of 625 amino acids, a stop codon of TAC, another noncoding region, and a poly(A) tail at the 3' end. Eight tandem repeats of 39 base pairs were observed, which started with nucleotide 905 (amino acid residue 270) and ended with nucleotide 1213 (amino acid residue 372). The identity in the nucleotide sequence in the tandem repeats ranged 72-95% when compared to a consensus sequence. The predicted amino acid sequence for the mature polypeptide chain was 15 amino acids longer at the C-terminal end than that of the .alpha. chain isolated from plasma fibrinogen and sequenced. Apparently, minor proteolytic cleavages of the C-terminus of the .alpha. chain had occurred, probably

during secretion or circulation of the protein in plasma.

L56 ANSWER 14 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1981:16302 CAPLUS
 DN 94:116302
 T1 Human fibrinogen: sequence, sulfur bridges, glycosylation and some structural variants
 AU Henschel, A.; Lettlich, F.; Souhan, C.; Tompfer-Petersen, E.
 CS Max-Planck-Institut Biochem., Martinsried, D-8033, Fed. Rep. Ger.
 SO *Proteins of the Biological Fluids* (***1980***) , 28th, 51-6
 CODEN: BBPA6E, ISSN: 0079-7065

Human fibrinogen has the overall structure A(α .1peta, B(β .beta, γ .gamma).2. The complete amino acid sequences of the 3 chains with 610, 461, and 411 residues have been elucidated. The chains are held together by 29 S₂ bonds, 3 of which link the half-molecules to each other. Carboxylate side chains are present in the B-peta- and γ .gamma-chains. Variants of the γ .gamma-chain with considerably lower mol. wt. seem to be present in all individuals. The structural error in a new abnormal variant, fibrinogen Muenchen, has recently been identified as an Arg. \rightarrow Asp. An exchange in position 3 of the α .alpha-chain.

L56 ANSWER 15 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1980:17417 CAPLUS
DI 92:17417
TN The amino acid sequence of the .alpha.-chain of human fibrinogen
AU Doolittle, R. F.; Watt, K. W. K.; Cottrell, B. A.; Strong, D. D.; Riley,
M.
CS Dep. Chem., Univ. California, San Diego, CA, 92093, USA
SC Nature (London, United Kingdom) (***1979***), 280(5722), 464-8
CO CODE: NATUUS; ISSN: 0028-0836

The structure of human fibrinogen, α -chain could be divided into 3 zones of approx.200 residues, each of unique amino acid compn. The regions were designated ZN, ZM, and ZC and corresponded roughly to the amino-terminal third, the middle third, and the carboxy-terminal third, resp. ZM contained the 2 primary α -chain crosslinking acceptor sites and consisted of a series of internal duplications.

L56 ANSWER# 6 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1980:1856 CAPLUS
 DN 92:1856
 TI Amino acid sequence studies on the .alpha. chain of human fibrin
 T1
 AU Overlapping sequences providing the complete sequence
 WC Watt, K. W., Cottrell, B. A., Strong, D. D., Doolittle, R. F.
 CS Dep. Chem., Univ. California, La Jolla, CA, 92093, USA
 SO Biochemistry (****1979-***), 18(24), 5410-16
 CODEN: BICHAM; ISSN: 0006-2960

AB The complete amino acid sequence of the α -chain of human fibrinogen was determined. It contains 610 amino acid residues and has a calculated molecular weight of 66,125. The chain has 10 methionines, and fragmentation with CNBr yielded 11 peptides. The arrangement of the 11 fragments was determined by the isolation of peptide overlaps from plasmic and staphylococcal protease

digests of fibrinogen and (or) α -chains. In addition, certain of the CNBr fragments, preliminary reports of whose sequences have appeared previously,¹ were reexamined to resolve several discrepancies. The α -chain is homologous with the β - and γ -chains of fibrinogen, although a large repetitive segment of unusual composition is absent from the latter 2 chains. The existence of this unusual segment divides the sequence of the α -chain into 3 zones of approx. 200 residues each that are readily distinguishable on the basis of amino acid composition. Along

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COST IN U.S. DOLLARS

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2 L23

2 L24

4 L25

2 L26

2 L27

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L60 2 L59 NOT "WESCOTT CHARLES R"/IN

=> d 160 bib ab

L60 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2004:634089 CAPLUS

DN 141:167846

TI Binding peptides for the KDR receptor and vascular endothelial growth factor/KDR complex and their use in diagnosis, therapy, and imaging of angiogenesis-related disorders

IN Sato, Aaron K.; Sexton, Daniel J.; Dransfield, Daniel T.; Lader, Robert C.; Arbogast, Christophe; Bussat, Philippe; Fan, Hong; Khurana, Sudha; Linder, Karen E.; Marinelli, Edmund R.; Nanjappa, Palaniappan; Nunn, Adrian; Pillai, Radhakrishna; Poehon, Sibylle; Ramalingam, Kondareddi; Shrivastava, Vijay; Song, Bo; Swenson, Rolf E.; Von Wronski, Mathew A. Dya Corp., USA; Biaco International B.V.

SO PCT Int. Appl., 470 pp.

DI Patent

LA English

FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004065621	A1	20040805	WO 2003-0528787	20030911
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SV, TJ, TM, TN, TR, TT, TZ, UA, UG, US, VZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD				
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WO 2003074005	A2	20030912	WO 2003-US6731	20030303
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PRAI US 2002-360851P	P	20020301		
US 2003-440411P	P	20030115		
US 2003-362082	A2	20030303		
WO 2003-US6731	A2	20030303		

AB The present invention provides peptides, peptide dimers, and multimeric complexes comprising at least one binding moiety for KDR receptor or vascular endothelial growth factor (VEGF)/KDR complex, which have a

variety of uses wherever treating, detecting, isolating, or localizing angiogenesis is advantageous. Particularly disclosed are synthetic, isolated peptides capable of binding KDR or VEGF/KDR complex with high affinity (e.g., having a $KD < 1 \mu M$), and dimer and multimeric constructs comprising these polypeptides. The involvement of VEGF and KDR in angiogenesis makes the binding peptides particularly useful for imaging important sites of angiogenesis, e.g., neoplastic tumors, for targeting substances, e.g., therapeutics, including radiotherapeutics, to such sites, and for treating certain disease states, including those associated with inappropriate angiogenesis.

RE. CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file home
COST IN U.S. DOLLARS
FULL ESTIMATED COST
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
CA SUBSCRIBER PRICE

SINCE FILE
ENTRY
79.81
TOTAL
1151.42
SINCE FILE
ENTRY
-16.10
TOTAL
-16.10

FILE 'HOME' ENTERED AT 13:28:53 ON 07 OCT 2004

=> d his

(FILE 'HOME' ENTERED AT 12:00:59 ON 07 OCT 2004)

FILE 'REGISTRY' ENTERED AT 12:01:08 ON 07 OCT 2004
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L25 4 S 'TRP-GLN-PRO-CYS-PRO-TRP-GLU-SER-TRP-THR-PHE-CYS-TRP-ASP-PRO
L26 2 S 'TRP-ALA-PRO-CYS-GLN-GLU-GLU-PRO-TRP-THR-PHE-CYS-TRP-HIS-GLY
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L37 1 S 'PRO-ARG-PRO-CYS-ARG-GLY-GLU-SER-TRP-PRO-TYR-CYS-TRP-ASP-GLY
L38 1 S 'TRP-GLN-ALA-CYS-PRO-GLY-TYR-LYS-ARG-GLN-PHE-CYS-TRP-ASP-ARG
L39 1 S 'PRO-ARG-PRO-CYS-GLY-GLN-GLU-SER-ARG-THR-PHE-CYS-LEU-GLU-GLY
L40 1 S 'PRO-ARG-PRO-CYS-PHE-GLN-LYS-GLY-GLY-THR-LEU-CYS-TRP-PRO-GLY

INDEX 'ADISCTI, ADISINIGHT, ADISENWS, AGRICOLA, AQUALINE, ANABSTR, ANTE,
AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECNABS, BIOTECNDS,
BIOTECNO, CABA, CANCERLIT, CAPUS, CEABA-VTB, CEN, CONFSCI, CROPB,
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FILE 'HOME' ENTERED AT 12:36:28 ON 07 OCT 2004

FILE 'BIOSIS, CAPUS' ENTERED AT 12:38:20 ON 07 OCT 2004

FILE 'HOME' ENTERED AT 12:40:48 ON 07 OCT 2004

FILE 'CAPUS' ENTERED AT 12:40:52 ON 07 OCT 2004

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 L43 114 S L2
 L44 8 S L3
 L45 5029 S L42 OR L43 OR L44
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 L47 4761 S L46
 L48 4761 S L46 NOT WESCOTT/IN
 L49 4761 S L48 NOT WESCOTT/IN

L50 4761 S L46
 L51 4759 S L46 NOT E6
 L52 4757 S L51 NOT FIBRIN
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FILE 'REGISTRY' ENTERED AT 13:29:38 ON 07 OCT 2004
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STRUCTURE FILE UPDATES: 6 OCT 2004 HIGHEST RN 757927-15-4
 DICTIONARY FILE UPDATES: 6 OCT 2004 HIGHEST RN 757927-15-4

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
 conducting SmartSelect searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
 information enter HELP PROP at an arrow prompt in the file or refer
 to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> file home
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 FULL ESTIMATED COST

SINCE FILE
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE
 ENTRY TOTAL
 CA SUBSCRIBER PRICE 0.00 -16.10

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SINCE FILE
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE
 ENTRY TOTAL
 CA SUBSCRIBER PRICE 0.00 -16.10

FILE 'REGISTRY' ENTERED AT 13:30:50 ON 07 OCT 2004
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Property values tagged with IC are from the ZIC/VINITI data file
 provided by InfoChem.

STRUCTURE FILE UPDATES: 6 OCT 2004 HIGHEST RN 757927-15-4
DICTIONARY FILE UPDATES: 6 OCT 2004 HIGHEST RN 757927-15-4

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registrysas.html>

=> d 13 bib sqd3 ref

L3 ANSWER 1 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN

RN 599211-32-2 REGISTRY

FS PROTEIN SEQUENCE; STEREOSEARCH

SOL 19

NTE modified

type	location	description
terminal mod.	Trp-1	N-acetyl
terminal mod.	Lys-19	C-terminal amide
bridge	Cys-4	disulfide bridge
modification	Lys-19	undetermined modification

PATENT ANNOTATIONS (PNT):

Sequence | Patent

Source | Reference

Not Given|NO2003074005

Isolated

ISEQID 336

SEQ3 1 Trp-Gln-Pro-Cys-Pro-Tip-Glu-Ser-Tip-Thr-

11 Phe-Cys-Tip-Asp-Pro-Gly-Gly-Lys

HITS AT: 1-15

RELATED SEQUENCES AVAILABLE WITH SEOLINK

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPUS (1907 TO DATE)

REFERENCE 1

AN 141:167846 CA

TI Binding peptides for the KDR receptor and vascular endothelial growth
factor/KDR complex and their use in diagnosis, therapy, and imaging of
angiogenesis-related disorders

IN Sato, Aaron K.; Sexton, Daniel J.; Dransfield, Daniel T.; Ladner, Robert

C.; Arbogast, Christophe; Bussat, Philippe; Fan, Hong; Khurana, Sucha;

Linder, Karen E.; Martinelli, Edmund R.; Nanjappa, Palanippa; Nunn,

Adrian; Pillai, Radhakrishna; Pocheon, Sibyller; Ramalingam, Kondaredidi;

Shrivastava, Ajay; Song, Bo; Swenson, Rolf E.; Von Wronski, Matthew A;

PA Dyax Corp., USA; Bracco International B.V.

SO PCT Int. Appl., 470 pp.

CODEN: PIXXD2

DT Patent

LA English

FN, CNT 2

PATENT NO.

W: AE, AG, AL, AM, AT, AU, AZ,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,

GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,

LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, NI, NO, NZ,

OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TT,

TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW, AM, AZ,

BY, BG, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,

NL, PT, RO, SE, SI, SK, TR, BF, BJ, CG, CI, CM, GN, GQ,

GM, ML, MR, NE, NG, SN, TD, TG

WO 2003074005 A2 20030912 WO 2003-056731 20030303

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GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,

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RU, TJ, TM

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NL, PT, RO, SE, SI, SK, TR, BF, BJ, CG, CI, CM, GN, GQ,

GM, ML, MR, NE, NG, SN, TD, TG

PRAI US 2002-360851P 20020301

US 2003-440411P 20030115

US 2003-382082 20030303

WO 2003-056731 20030303

RE, CNT 4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

AN 139:265740 CA

TI KDR and VEGF/KDR binding peptides and their use in diagnosis and therapy

IN Sato, Aaron K.; Sexton, Daniel J.; Ladner, Robert C.; Dransfield, Daniel

T.; Swenson, Rolf E.; Martinelli, Edmund R.; Ramalingam, Kondaredidi;

Nunn, Adrian D.; Von Wronski, Matthew A.; Shrivastava, Ajay; Pocheon,

Sibyller; Bussat, Philippe; Arbogast, Christophe; Pillai, Radhakrishna;

Fan, Hong; Linder, Karen E.; Song, Bo; Nanjappa, Palanippa

PA Dyax Corp., USA; Bracco International B.V.; et al.

SO PCT Int. Appl., 350 pp.

CODEN: PIXXD2

DT Patent

LA English
FAM.CNT 2

PATENT NO. KIND DATE APPLICATION NO. DATE
PI WO 2003074005 A2 20030912 WO 2003-US6731 20030303

W:

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, ME, MG, MK, MN, MW, MX, MY, NZ, OC, OM, PA, PG, PH, PL, PT, RO, RU, SC, SE, SG, SI, SK, SL, SN, ST, SV, SY, TD, TH, TJ, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BA, BY, BZ, CA, CH, CN, CU, CY, CZ, DE, DK, DM, DZ, EC, EG, ES, FI, FR, GB, GR, GU, HE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BE, BJ, CF, CG, CI, CM, GA, GM, GQ, GW, ML, MR, NE, SN, TD, TG

WO 2004065621 A1 20040805

W:

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EG, ES, FI, FR, GB, GR, GU, HE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BE, BJ, CF, CG, CI, CM, GA, GM, GQ, GW, ML, MR, NE, SN, TD, TG

PRAT US 2002-360851P 20020301
US 2003-440411P 20030115
US 2003-382082 20030303
WO 2003-US6731 20030303

=> d 13 bib sqd3 2-27

I3 ANSWER 2 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN
RN 565471-70-7 REGISTRY
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 15

SEQ3 1 Pro-Arg-Pro-Cys-Thr-Gly-Glu-Pro-Gly-Pro-

11 Ile-Cys-Gly-Pro-Arg

HITS AT: 1-15

REFERENCE 1

AN 139:138721 CA
T1 Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA USA
SO U.S. Pat. Appl. Publ., 41 pp.
CODEN: USXXCO
DT Patent

LA English
FAM.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE
PI US 2003143158 A1 20030731 US 2001-34974 20011221
PRAT US 2001-34974 20011221

W:

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EG, ES, FI, FR, GB, GR, GU, HE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BE, BJ, CF, CG, CI, CM, GA, GM, GQ, GW, ML, MR, NE, SN, TD, TG

Not Given US2003109690

1 claimed

SEQID 6959

SEQ3

1 Arg-Lys-His-Gly-Arg-Thr-Cys-Trp-Trp-Gly-
11 Pro-Ser-Asn-Ile-Gln-Leu-Asn-Leu-Ser-Pro-
21 Pro-Ser-Ser-Pro-Val-Leu-Cys-Arg-Asp-Gly-
31 Ser-Arg-Leu-Leu-Cys-Gly-Leu-Asp-Ile-Ser-
41 Glu-Gln-Pro-Asn-Leu-Ala-Gly-Ile-Asn-Pro-
51 Lys-Gly-Thr-Gly-Leu-Arg-Gly-Gln-Glu-Leu-
61 Lys
HITS AT: 24-38

RELATED SEQUENCES AVAILABLE WITH SEQLINK

REFERENCE 1

AN 139:2147 CA
T1 Human colon and colon cancer-associated polynucleotides and polypeptides
IN Ruben, Steven M.; Barash, Steve C.; Birse, Charles E.; Rosen, Craig A.
PA Human Genome Sciences, Inc., USA
SO U.S. Pat. Appl. Publ., 174 pp., Cont.-in-part of Appl. No. PCT/US00/26524.
CODEN: USXXCO

DT Patent

LA English

FAM.CNT 3

PATENT NO. KIND DATE APPLICATION NO. DATE
PI US 2003109690 A1 20030612 US 2002-106698 20020327
WO 2001022920 A2 20010405 WO 2000-US26524 20000928
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DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
US 2003109690 A1 20030612 US 2002-106698 20020327
PRAI US 1999-157137P 19990929
US 1999-163280P 19991103
WO 2000-US26524 20000928
US 2002-106698 20020327

L3 ANSWER 4 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN
RN 483015-78-7 REGISTRY
FS PROTEIN SEQUENCE
SQL 66

SEQ3 1 Met-Thr-Asn-Ser-His-Thr-His-Asn-Gly-Asp-
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31 Leu-Ile-Gly-Gly-Ile-Ser-Leu-Ile-Ala-Phe-
41 Ser-Val-Leu-Leu-Val-Gly-Val-Ile-Phe-Phe-
51 Gly-Tyr-Phe-Gly-Ile-Phe-Pro-Lys-Val-Ile-
61 Arg-Arg-Lys-Leu-His-Asp
HITS AT: 13-27

***RELATED SEQUENCES AVAILABLE WITH SEOLINK**

L3 ANSWER 5 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN
RN 442513-90-8 REGISTRY
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 15

SEQ3 1 Pro-Arg-Pro-Cys-Phe-Gln-Lys-Gly-Thr-
11 Leu-Cys-Tyr-Pro-Gly
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REFERENCE 1

AN 139:138721 CA
TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA USA
SO U.S. Pat. Appl. Publ., 41 pp.
DT Patent
LA English
FAM.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE
PI US 2003143158 A1 20030731 US 2001-34974 20011221
PRAI US 2001-34974 20011221
REFERENCE 2

AN 137:90279 CA
TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA Dyax Corp., USA
SO PCT Int. Appl., 89 pp.
DT Patent
LA English
FAM.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE
PI WO 2002055544 A2 20020718 WO 2001-US49534 20011221
WO 2002055544 A3 20030327

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GW, GQ, MW, MR, NE, SN, TD, TG
EP 1348026 A2 20031001 EP 2001-997103 20011221
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IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
JP 2004523514 T2 20040805 JP 2002-556612 20011221
PRAI US 2000-747403 20001223
WO 2001-US49534 20011221

L3 ANSWER 6 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN
RN 442513-89-5 REGISTRY
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 15

SEQ3 1 Pro-Arg-Pro-Cys-Gly-Gln-Glu-Ser-Arg-Thr-
11 Phe-Cys-Leu-Glu-Gly
HITS AT: 1-15

REFERENCE 1

AN 139:138721 CA
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CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002055544	A2	20020718	WO 2001-US49534	20011221
WO 2002055544	A3	20030327		

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EP 1348026 A2 20031001 EP 2001-997103 20011221

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JP 2004522514 T2 20040805 JP 2002-556612 20011221

PRAI US 2000-747403 20001223

WO 2001-US49534 20011221

L3 ANSWER 7 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN
RN 442513-88-4 REGISTRY
FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 15

SEQ3 1 Trp-Gln-Ala-Cys-Pro-Gly-Tyr-Lys-Arg-Gln-

11 Phe-Cys-Trp-Asp-Arg

HITS AT: 1-15

REFERENCE 1

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TI Fibrin binding moieties useful as imaging agents
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CODEN: USXXCO

DT Patent
LA English
FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

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CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

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WO 2002055544	A3	20030327		

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EP 1348026 A2 20031001 EP 2001-997103 20011221

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PRAI US 2000-747403 20001223

WO 2001-US49534 20011221

L3 ANSWER 8 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN
RN 442513-87-3 REGISTRY
FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 15

SEQ3 1 Pro-Arg-Pro-Cys-Arg-Gly-Glu-Ser-Trp-Pro-

11 Tyr-Cys-Trp-Gly-Gly

HITS AT: 1-15

REFERENCE 1

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CODEN: USXXCO

DT Patent
LA English
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE
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PRAI US 2001-34974 20011221

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SO PCT Int. Appl., 89 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE
PI WO 2002055544 A2 20020718 WO 2001-US49534 20011221
WO 2002055544 A3 20030327
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JP 2004523514 T2 20040805 JP 2002-556612 20011221
PRAI US 2000-747403 20011221
WO 2001-US49534 20011221

L3 ANSWER 9 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN
RN 442513-86-2 REGISTRY
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 15

SEQ3 1 Ttp-Tyr-Phe-Cys-Pro-Gly-Glu-Pro-Tip-Ser-

11 Phe-Cys-Pro-Asp-Gly

HITS AT: 1-15

REFERENCE 1

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CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE
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PRAI US 2001-34974 20011221

REFERENCE 2

AN 137:90279 CA
TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA Dyax Corp., USA
SO PCT Int. Appl., 89 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE
PI WO 2002055544 A2 20020718 WO 2001-US49534 20011221
WO 2002055544 A3 20030327
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JP 2004523514 T2 20040805 JP 2002-556612 20011221
PRAI US 2000-747403 20011221
WO 2001-US49534 20011221

L3 ANSWER 10 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN

RN 442513-86-1 REGISTRY

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 15

SEQ3 1 Ttp-Gln-Thr-Cys-Pro-Gly-Tyr-Leu-Arg-Ser-

11 Leu-Cys-Tip-Asp-Gly

HITS AT: 1-15

REFERENCE 1

AN 139:138721 CA
TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA USA
SO U.S. Pat. Appl. Publ., 41 pp.
DT Patent
LA English
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE
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PRAI US 2001-34974 20011221
REFERENCE 2
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PA Dyax Corp., USA
SO PCT Int. Appl., 89 pp.
DT Patent
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FAN.CNT 1
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PI WO 2002055544 A2 20020718 WO 2001-0549534 20011221
WO 2002055544 A3 20030327
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EP 1348026 A2 20031001 EP 2001-997103 20011221
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IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
JP 2004523514 T2 20040805 JP 2002-556612 20011221
PRAI US 2000-747403 20001223
WO 2001-0549534 20011221
L3 ANSWER 11 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN
RN 442513-84-0 REGISTRY
FS PROTEIN SEQUENCE; STEREOSEARCH
SOL 15
SEQ3 1 Trp-His-Phe-Cys-Pro-Gly-Glu-Pro-Tip-Thr-
11 Phe-Cys-Trp-Ala-Gly
HITS AT: 1-15

REFERENCE 1
AN 139:138721 CA
TI Fibrin binding moieties useful as imaging agents
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DT Patent
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FAN.CNT 1
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GN, GQ, GW, ML, MR, NE, SN, TD, TG
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IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
JP 2004523514 T2 20040805 JP 2002-556612 20011221
PRAI US 2000-747403 20001223
WO 2001-0549534 20011221
L3 ANSWER 12 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN
RN 442513-83-9 REGISTRY
FS PROTEIN SEQUENCE; STEREOSEARCH
SOL 15
SEQ3 1 Cys-Tyr-Phe-Cys-Pro-Gly-Glu-Pro-Tip-Thr-
11 Phe-Cys-Cys-Asp-Asp

HITS AT: 1-15

REFERENCE 1

AN 139:136721 CA
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PA USA
SO U.S. Pat. Appl. Publ., 41 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE
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CODEN: PIXXD2
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PATENT NO. KIND DATE APPLICATION NO. DATE
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JP 2004523514 T2 20040805 JP 2002-556612 20011221
PRAI US 2000-747403 20001223
WO 2001-US49534 20011221

L3 ANSWER 13 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN
RN 442513-82-8 REGISTRY
FS PROTEIN SEQUENCE; STEREOBANCH
SQL 15

SEQ3 1 Trp-Leu-Ser-Gly-Tyr-Gly-Ser-Gly-Tyr-
11 Leu-Cys-Leu-Gly-Val
HITS AT: 1-15

REFERENCE 1

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CODEN: USXXCO
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JP 2004523514 T2 20040805 JP 2002-556612 20011221
PRAI US 2000-747403 20001223
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L3 ANSWER 14 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN
RN 442513-81-7 REGISTRY

FS PROTEIN SEQUENCE; STEREORESEARCH
SQL 15

SEQ3 1 Trp-Asn-Gly-Cys-Gly-Trp-Gly-Ser-Trp-Lys-
11 Phe-Cys-Gly-Glu-Gly
HITS AT: 1-15

REFERENCE 1

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CODEN: USXXCO
DI Patent
LA English
FAN.CNT 1

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CODEN: PIXXD2
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WO 2002055544	A3	20030327		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GR, GU, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OC, OH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, ST, SV, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
FW: GH, GM, KE, LS, MW, MZ, SD, SI, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1348026	A2	20031001	EP 2001-997103	20011221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004323514	T2	20040805	JP 2002-556612	20011221
PRAI US 2000-747403		20001223		
WO 2001-US49534		20011221		

13 ANSWER 15 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN

RN 442513-80-6 REGISTRY
FS PROTEIN SEQUENCE; STEREORESEARCH
SQL 15

SEQ3 1 Trp-Lys-Phe-Cys-Asp-Gly-Glu-Pro-Trp-Leu-
11 Phe-Cys-Trp-Asp-Gly
HITS AT: 1-15

REFERENCE 1

AN 139:136721 CA
TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA USA
SO U.S. Pat. Appl. Publ., 41 pp.
CODEN: USXXCO
DI Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2003143158	A1	20030731	US 2001-34974	20011221
PRAI US 2001-34974		20011221		

REFERENCE 2

AN 137:90279 CA
TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA Dyax Corp., USA
SO PCT Int. Appl., 89 pp.
CODEN: PIXXD2
DI Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002055544	A2	20020718	WO 2001-US49534	20011221
WO 2002055544	A3	20030327		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GR, GU, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OC, OH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, ST, SV, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
FW: GH, GM, KE, LS, MW, MZ, SD, SI, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1348026	A2	20031001	EP 2001-997103	20011221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				

JP 2004523514 T2 20040805 JP 2002-556612 20011221
PRAI US 2000-747403 20001223
WO 2001-US49534 20011221
L3 ANSWER 16 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN
RN 442513-79-3 REGISTRY
FS PROTEIN SEQUENCE/ STEREOSEARCH
SOL 15
SEQ3 1 Trp-Gln-Ala-Cys-Gln-Leu-Gly-Tyr-Arg-Thr-
11 Tyr-Cys-Trp-Asp-Gly
HITS AT: 1-15

REFERENCE 1
AN 139:138721 CA
TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA USA
SO U.S. Pat. Appl. Publ., 41 pp.
CODEN: USXXCO
DT Patent
LA English
FAN CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE
PI US 200143158 A1 20030731 US 2001-34974 20011221
PRAI US 2001-34974 20011221

REFERENCE 2
AN 137:90279 CA
TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA Dyax Corp., USA
SO PCT Int. Appl., 89 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE
PI WO 2002055544 A2 20020718 WO 2001-US49534 20011221
WO 2002055544 A3 20030327
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GI, GR, GU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MM, MO, NZ, OM, PH,
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EP 1348026 A2 20031001 EP 2001-997103 20011221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, RO, MK, CV, AL, TR
JP 2004523514 T2 20040805 JP 2002-556612 20011221
PRAI US 2000-747403 20001223
WO 2001-US49534 20011221

L3 ANSWER 17 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN
RN 442513-71-5 REGISTRY
FS PROTEIN SEQUENCE/ STEREOSEARCH
SOL 19
NTE modified
type location description
terminal mod. Trp-1 - N-acetyl
terminal mod. Lys-19 - C-terminal amide

SEQ3 1 Trp-Ala-Pro-Cys-Gln-Glu-Glu-Pro-Trp-Leu-
11 Phe-Cys-Phe-His-Gly-Gly-Gly-Lys
HITS AT: 1-15

REFERENCE 1
AN 139:138721 CA
TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA USA
SO U.S. Pat. Appl. Publ., 41 pp.
CODEN: USXXCO
DT Patent
LA English
FAN CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE
PI US 2003143158 A1 20030731 US 2001-34974 20011221
PRAI US 2001-34974 20011221

REFERENCE 2
AN 137:90279 CA
TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA Dyax Corp., USA
SO PCT Int. Appl., 89 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE
PI WO 2002055544 A2 20020718 WO 2001-US49534 20011221
WO 2002055544 A3 20030327

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, GR, GU, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PA, PE, PG, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, ST, SV, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ZY

RW: GH, GM, KE, LS, MM, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, AY, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, GR, GU, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PA, PE, PG, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, ST, SV, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ZY

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EP 1348026 A2 20031001 EP 2001-997103 20011221

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2004523514 T2 20040805 JP 2002-556612 20011221

PRAI US 2001-747403 20011221

WO 2001-US49534 20011221

L3 ANSWER 18 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN

RN 442513-70-4 REGISTRY

FS PROTEIN SEQUENCE; STEREOSEARCH

SOL 19

NTE modified

type	location	description
terminal mod.	Trp-1	N-acetyl
terminal mod.	Lys-19	C-terminal amide

SEQ3 1 Trp-Gln-Pro-Cys-Pro-Tip-Glu-Ser-Tip-Thr-
11 Phe-Cys-Tip-Asp-Pro-Gly-Gly-Lys

HITS AT: 1-15

***RELATED SEQUENCES AVAILABLE WITH SEQLINK**

REFERENCE 1

AN 139:138721 CA
TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA USA
SO U.S. Pat. Appl., Publ., 41 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2003143158	A1	20030731	US 2001-34974	20011221
PRAI US 2001-34974		20011221		

REFERENCE 2

AN 137:90279 CA

TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA Dyax Corp., USA
SO PCT Int. Appl., 89 pp.
CODEN: PIXX02
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002055544	A2	20020718	WO 2001-US49534	20011221
WO 2002055544	A3	20030327		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, GR, GU, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PA, PE, PG, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, ST, SV, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ZY

RW: GH, GM, KE, LS, MM, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, AY, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, GR, GU, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PA, PE, PG, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, ST, SV, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ZY

GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1348026 A2 20031001 EP 2001-997103 20011221

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2004523514 T2 20040805 JP 2002-556612 20011221

PRAI US 2001-747403 20011221

WO 2001-US49534 20011221

L3 ANSWER 19 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN

RN 442513-69-1 REGISTRY

FS PROTEIN SEQUENCE; STEREOSEARCH

SOL 19

NTE modified

type	location	description
terminal mod.	Lys-19	C-terminal amide

SEQ3 1 Trp-Gln-Pro-Cys-Pro-Tip-Glu-Ser-Tip-Thr-
11 Phe-Cys-Tip-Asp-Pro-Gly-Gly-Lys

HITS AT: 1-15

***RELATED SEQUENCES AVAILABLE WITH SEQLINK**

REFERENCE 1

AN 137:90279 CA
TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA Dyax Corp., USA
SO PCT Int. Appl., 89 pp.
CODEN: PIXX02

DT Patent
LA English
FAM.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 200205544 A2 20020718 WO 2001-US49534 20011221

WO 200205544 A3 20030327

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, GR, GU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, NO, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1348026 A2 20031001 EP 2001-997103 20011221

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2004523514 T2 20040805 JP 2002-556612 20011221

PRAI US 2000-747403 20001223

WO 2001-US49534 20011221

L3 ANSWER 20 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN

RN 442513-66-8 REGISTRY

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 15

SEQ3 1 Trip-Lys-Ala-Cys-Pro-Gly-Glu-Asp-Trip-Leu-
11 Phe-Cys-Trip-Gly-Ser

HITS AT: 1-15

REFERENCE 1

AN 139:138721 CA
TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA USA
SO U.S. Pat. Appl. Publ., 41 pp.
CODEN: USXXCO

DT Patent
LA English
FAM.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI US 2003143158 A1 20030731 US 2001-34974 20011221

PRAI US 2001-34974 20011221

REFERENCE 2

AN 137:90279 CA
TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.

PA Dyax Corp., USA
SO PCT Int. Appl., 89 pp.
CODEN: PIXXD2

DT Patent
LA English
FAM.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 200205544 A2 20020718 WO 2001-US49534 20011221

WO 200205544 A3 20030327

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, GR, GU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, NO, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1348026 A2 20031001 EP 2001-997103 20011221

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2004523514 T2 20040805 JP 2002-556612 20011221

PRAI US 2000-747403 20001223

WO 2001-US49534 20011221

L3 ANSWER 21 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN

RN 442513-65-7 REGISTRY

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 15

SEQ3 1 Trip-Ala-Pro-Cys-Gln-Glu-Pro-Trip-Leu-
11 Phe-Cys-Phe-His-Gly

HITS AT: 1-15

REFERENCE 1

AN 139:138721 CA
TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA USA
SO U.S. Pat. Appl. Publ., 41 pp.
CODEN: USXXCO

DT Patent
LA English
FAM.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI US 2003143158 A1 20030731 US 2001-34974 20011221

PRAI US 2001-34974 20011221

REFERENCE 2

AN 137:90279 CA
TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA Dyak Corp., USA
SO PCT Int. Appl., 89 pp.
CODEN: PIXMD2

DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002055544	A2	20020718	WO 2001-US49534	20011221
WO 2002055544	A3	20030327		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GR, GU, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PA, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ZY

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EP 1348026 A2 20031001 EP 2001-997103 20011221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2004523514 T2 20040805 JP 2002-556612 20011221
PRAI US 2000-747403 20001223
WO 2001-US49534 20011221

L3 ANSWER 22 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN
RN 442513-64-6 REGISTRY
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 15

SEQ3 1 Ttp-Gln-Pro-Cys-Pro-Tip-Glu-Ser-Tip-Thr-
11 Phe-Cys-Tip-Asp-Pro

HITS AT: 1-15

REFERENCE 1

AN 139:138721 CA
TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA USA
SO U.S. Pat. Appl. Publ., 41 pp.
CODEN: USXXCO

DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PT US 2003143158	A1	20030731	US 2001-34974	20011221
PRAI US 2001-34974		20011221		

REFERENCE 2

AN 137:90279 CA
TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA Dyak Corp., USA
SO PCT Int. Appl., 89 pp.
CODEN: PIXMD2

DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002055544	A2	20020718	WO 2001-US49534	20011221
WO 2002055544	A3	20030327		

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RM: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1348026 A2 20031001 EP 2001-997103 20011221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2004523514 T2 20040805
PRAI US 2000-747403 20001223
WO 2001-US49534 20011221

L3 ANSWER 23 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN
RN 442513-63-5 REGISTRY
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 15

SEQ3 1 Ttp-Met-Met-Cys-Pro-Met-Ser-Glu-Tip-Leu-
11 Tyr-Cys-Tip-Ser-Ala

HITS AT: 1-15

REFERENCE 1

AN 139:138721 CA
TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA USA
SO U.S. Pat. Appl. Publ., 41 pp.
CODEN: USXXCO

DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PT US 2003143158	A1	20030731	US 2001-34974	20011221
PRAI US 2001-34974		20011221		

PI US 2003143158 A1 20030731 US 2001-34974 20011221
PRAI US 2001-34974 20011221

REFERENCE 2

AN 137:90279 CA
TI Fibrin binding moieties useful as imaging agents
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PA Dyax Corp., USA
SO PCT Int. Appl., 89 pp.
CODEN: PIXND2

DT Patent
LA English

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE
WO 2002055544 A2 20020718 WO 2001-US49534 20011221
WO 2002055544 A3 20030327

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GE, GD, GE, GH,

GM, GR, GU, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,

LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH,

PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,

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GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA,

GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1348026 A2 20031001 EP 2001-997103 20011221

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,

IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2004523514 T2 20040805 JP 2002-556612 20011221

PRAI US 2000-747403 20001223

WO 2001-US49534 20011221

L3 ANSWER 24 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN

RN 442513-62-4 REGISTRY

FS PROTEIN SEQUENCE; STEREOSEARCH

SOL 15

SEQ3 1 Trp-Glu-Leu-Cys-Ser-Asp-Glu-Asn-Trp-Leu-

11 Trp-Cys-Trp-Pro-His

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HITS AT: 1-15

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REFERENCE 1

AN 139:138721 CA
TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA USA
SO U.S. Pat. Appl. Publ., 41 pp.
CODEN: USXKCO

DT Patent

LA English

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE
PI US 2003143158 A1 20030731 US 2001-34974 20011221
PRAI US 2001-34974 20011221

REFERENCE 2

AN 137:90279 CA
TI Fibrin binding moieties useful as imaging agents
IN Wescott, Charles R.; Beltzer, James P.; Sato, Aaron K.
PA Dyax Corp., USA
SO PCT Int. Appl., 89 pp.
CODEN: PIXND2

DT Patent

LA English

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE
WO 2002055544 A2 20020718 WO 2001-US49534 20011221
WO 2002055544 A3 20030327

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,

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PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,

UA, UG, US, UZ, VN, YU, ZA, ZM, ZW

RM: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,

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GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA,

GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1348026 A2 20031001 EP 2001-997103 20011221

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,

IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2004523514 T2 20040805 JP 2002-556612 20011221

PRAI US 2000-747403 20001223

WO 2001-US49534 20011221

L3 ANSWER 25 OF 27 REGISTRY COPYRIGHT 2004 ACS on STN

RN 368931-76-4 REGISTRY

FS PROTEIN SEQUENCE

SOL 73

SEQ3 1 Trp-Glu-Ala-Ser-Pro-Phe-Lys-Lys-Thr-Pro-

11 Leu-Leu-Ile-Ser-Thr-Asn-His-Leu-Thr-Ala-

21 Ala-Ser-Pro-Phe-Cys-Ser-Phe-Asn-Thr-Thr-

31 Asp-Gln-His-Ser-Phe-Leu-Ile-Arg-Ala-Thr-

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FILE LAST UPDATED: 6 Oct 2004 (20041006/ED)

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163 3057 145 AND PY<=2001

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      19 "WESCOTT CHARLES R"/AU
=> s 164 not "WESCOTT CHARLES R"/AU
      25 L64 NOT "WESCOTT CHARLES R"/AU
L65
=> s 165 not 156
      14 L65 NOT 156
L66

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L66	ANSWER 1 OF 14 CAPLUS COPYRIGHT 2004 ACS on SIN
AN	2004:749051 CAPLUS
TI	Cytoskeletal extracellular matrix signaling molecules, protein and cDNA sequences thereof, and drug screening methods using the same
IN	In Law, Laser F.
PA	Munin Corporation, USA
SO	U.S., 61 pp., Cont.-in-part of U.S. Ser. No. 142,569. CODEN: USRXAM
DI	Patient
LA	English
FAN	CNT 3
PATENT NO.	KIND DATE APPLICATION NO. DATE
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P1 US 6796066 B1 20040914 US 2000-495448 20000131	
WO 9733995 A2 19970918 WO 1997-US4193 19970314 <	
WO 9733995 A3 19980108	
W: AL, AM, AT, AU, AZ, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE,	

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WO 2001055210	A3	20020302			

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ.

AB Protein and cDNA sequences for mammalian extracellular matrix (ECM) signaling molecules affecting the cell adhesion, migration, and proliferation activities, namely Cyt61, Fisp12, Ctgf, are provided. The polypeptide compns. comprise mammalian ECM signaling molecules, peptide fragments, inhibitory peptides capable of interacting with receptors for ECM signaling molecules, and antibody products recognizing Cyt61. Also provided are methods for producing mammalian ECM signaling molecules. Further provided are methods for using mammalian ECM signaling molecules for screening modulators of cell migration as well as methods to modulate angiogenesis, chondrogenesis, and oncogenesis. Claimed is a method for screening modulators of cell migration using gel matrix comprising Cyt61 and human fibroblast cells presenting alpha.6.beta.1 integrin.

RE. CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

LA English

DT Patent

SO CODEN: PLEXD2

IN University of Sheffield, UK

PA PCT Int. Appl., 41 pp.

DT Patent

LA English

FA. CNT 1

PATENT NO. 2001088129

KIND A1

DATE 20011122

APPLICATION NO. 2001-561057

DATE 20010514

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ.

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AB The invention relates to the anti-angiogenic effects of polypeptides derived from ***fibrinogen***. Specifically, ***fibrinogen*** E peptides of amino acid 1-78 of alpha chain, 43-122 of beta chain, and 1-62 of gamma chain are identified and tested to inhibit angiogenesis, which are useful for cancer therapy.

RE. CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

LA English

DT Patent

SO CODEN: JOBAMV; ISSN: 0021-9193

IN American Society for Microbiology

PA Journal

DT Patent

LA English

FA. CNT 1

PATENT NO. 2001088129

KIND A1

DATE 20011122

APPLICATION NO. 2001-561057

DATE 20010514

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ.

AB Population genetic studies suggest that Yersinia pestis, the cause of plague, is a clonal pathogen that has recently emerged from Yersinia pseudotuberculosis. Plasmid acquisition is likely to have been a key element in this evolutionary leap from an enteric to a flea-transmitted systemic pathogen. However, the origin of Y. pestis-specific plasmids remains obscure. The authors demonstrate specific plasmid rearrangements in different Y. pestis strains which distinguish Y. pestis bv. Orientalis strains from other biovars. The authors also present evidence for plasmid-associated DNA exchange between Y. pestis and the exclusively human pathogen Salmonella enterica serovar Typhimurium.

RE. CNT 79 THERE ARE 79 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

LA English

DT Patent

SO CODEN: JOBAMV; ISSN: 0021-9193

IN American Society for Microbiology

PA Journal

DT Patent

LA English

FA. CNT 1

PATENT NO. 2001088129

KIND A1

DATE 20011122

APPLICATION NO. 2001-561057

DATE 20010514

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ.

CS Cardiovascular Division, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, 02115, USA
SO Journal of Biological Chemistry (***2000***), 275(47), 36847-36851
CODEN: JBCHA3; ISSN: 0021-9238
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
AB The onset of myocardial infarction occurs frequently in the early morning, and it may partly result from circadian variation of ***fibrinolytic*** activity. Plasminogen activator inhibitor-1 activity shows a circadian oscillation and may account for the morning onset of myocardial infarction. However, the mol. mechanisms regulating this circadian oscillation remain unknown. Recent evidence indicates that basic helix-loop-helix (bHLH)/PAS domain transcription factors play a crucial role in controlling the biol. clock that controls circadian rhythm. The authors isolated a novel bHLH/PAS protein, cycle-like factor (CLIF) from human umbilical vein endothelial cells. CLIF shares high homol. with Prosopila CYCLE, one of the essential transcriptional regulators of circadian rhythm. CLIF is expressed in endothelial cells and neurons in the brain, including the suprachiasmatic nucleus, the center of the circadian clock. In endothelial cells, CLIF forms a heterodimer with CLOCK and up-regulates the PAI-1 gene through E-box sites. Furthermore, period and Cryptochrome1, whose expression show a circadian oscillation in peripheral tissues, inhibit the PAI-1 promoter activation by the CLOCK:CLIF heterodimer. These results suggest that CLIF regulates the circadian oscillation of PAI-1 gene expression in endothelial cells. In addn., the results potentially provide a mol. basis for the morning onset of myocardial infarction.

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L66 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
DN 2000:133731 CAPLUS
TI ***Fibrinogen*** fragments, their production with recombinant cells, and their use in diagnosis and therapy
IN Grieninger, Gerdi; Aplegate, Dianne; Stolke-Steben, Lara
PA The New York Blood Center, Inc., USA
SO PCT Int. Appl., 66 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE
WO 2000093562 A1 20000224 WO 1999-US18412 19990812 <--
W: CA, JP
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
EP 1105428 A1 20010613 EP 1999-941108 19990812 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, NL, SE, MC, PT, IE, FI
US 6416963 B1 20020709 US 1999-373157 19990812
US 2002188722 A1 20021114 US 2002-112527 20020329
PRAI US 1998-962109 P 19980812
US 1999-373157 A1 19990812
WO 1999-US18412 W 19990812

AB The invention provides novel .alpha.ECX cleavage fragments of ***fibrinogen*** and methods for detecting and purifying these fragments. The method of the invention also includes a diagnostic method for diagnosing states of atherosclerosis in a mammal. Methods of treating disease characterized by ***fibrinogen*** metab. are also disclosed. In addn., the invention also provides monospecific antibodies which are specifically reactive with .alpha.ECX domain of ***fibrinogen***. Also provided, are DNA and RNA mols. that encode .alpha.ECX cleavage fragments of ***fibrinogen***. In addn., the present invention includes a vector and a host cell capable of expressing .alpha.ECX cleavage fragments of ***fibrinogen***. Thus, ***fibrinogen*** -420 was purified from human blood plasma. The behavior of ***fibrinogen*** -420 was similar to that of ***fibrinogen*** of 330 in clot formation and proteolytic susceptibility. Plasmin rapidly released the .alpha.ECX domain of ***fibrinogen*** -420 and this fragment was resistant to further degradation. In vitro, this .alpha.ECX fragment is detectable in the plasma of patients undergoing thrombolytic therapy.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L66 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
DN 1999:621254 CAPLUS
TI DNA sequence of the canine platelet .beta.3 gene from cDNA: comparison of canine and mouse .beta.3 to segments that encode alloantigenic sites and functional domains of .beta.3 in human beings
AU Lipscomb, Desiree L.; Bounie, Candace; Boudreau, Mary K.
CS Department of Pathobiology, College of Veterinary Medicine, Auburn University, Auburn, AL, 36849, USA
SO Journal of Laboratory and Clinical Medicine (***1999***), 134(3), 313-321
CODEN: JLCMAJ; ISSN: 0022-2143
PB Mosby, Inc.
DT Journal
LA English
AB The platelet glycoprotein complex .alpha.IIb.beta.3 is required for platelet-***fibrinogen*** binding and platelet aggregation. This study was designed to characterize the nucleotide sequence of the canine platelet .beta.3 gene from cDNA. The nucleotide and deduced amino acid sequences of the canine .beta.3 gene were 92% and 96% homologous, resp., with the sequences previously established for the .beta.3 gene of human beings. Within the .beta.3 gene, the nucleotide sequence of cDNA prep. from canine platelets shared homol. of 88% for the cytoplasmic domain, 93% for the transmembrane domain, 92% for the extracellular domain, 94% for the arginine-glycine-aspartic acid (RGD) binding domain, and 97% for the region assoc. with Ca2+-dependent stabilization of the .alpha.IIb.beta.3 ***fibrinogen*** -binding pocket. The deduced amino acid sequence of canine .beta.3 was 100%, 97%, 96%, and 95% homologous with the cytoplasmic, transmembrane, extracellular, and RGD-binding domains, resp., and was 100% homologous with the region assoc. with Ca2+-dependent stabilization of the .alpha.IIb.beta.3 ***fibrinogen*** -binding pocket of .beta.3 in human beings. The canine platelet cDNA signal peptide segment of the .beta.3 gene encodes for 22 amino acids, as compared with 26 amino acids previously reported for human beings. The deduced amino acid sequence of canine .beta.3 corresponds to the high-frequency allelic

form for five of the six alloantigenic sites reportedly assocd. with human platelets: Leu33leu40Pro407Arg489Arg636. The apparent amino acid residue in position 143 (Phe alioantigen) of canine platelet .beta.3 is histidine compared with arginine in human beings. Knowledge of the .beta.3 gene nucleotide sequence of normal dogs will facilitate the understanding of platelet .alpha.11b.beta.3 structure-function relationships.

RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L66 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1998:804204 CAPLUS
DN 130:51349
TI Identification of human heavy chain antibody fragment directed against human platelet alloantigen 1a (HPA-1a)
IN Kieckhefer, Thomas S.; Kennedy, Sean D.; Okamoto, Naoki
PA Johns Hopkins University, USA
SO PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9853146	A1	19981210	WO 1998-US11328	19980605 <--
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GR, GU, HU, ID, IL, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NA, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TN, TR, TT, UA, US, UZ, VN, YU, ZW, AM, AZ, BY, BG, BR, CA, CH, CY, CZ, DE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BU, CF, CG, CI, CM, GA, GN, GT, HE, HR, HU, IL, IN, JP, KE, KG, KH, KI, KM, KN, KP, KR, KZ, LA, LB, LC, LI, LR, LS, LT, LU, LV, LY, MA, MG, MK, MN, MW, MX, MY, MZ, NA, NZ, NI, NO, NP, NR, NU, NZ, OI, OM, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PE, PF, PG, PH, PK, PL, PM, PN, PP, PQ, PR, PS, PT, PU, PY, QI, QJ, QK, QL, QM, QN, QO, QP, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TR, TS, TT, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ			

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L66 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1998:126266 CAPLUS
DN 128:189202
TI Genomic DNA sequences of Streptococcus pneumoniae strain 0100993, their predicted protein products, and their diagnostic and therapeutic uses
IN Black, Michael Terence; Hodgson, John Edward; Knowles, David Justin
Charles; Lonetto, Michael Arthur; Nicholas, Richard Oakley; Stodola, Robert King
PA SmithKline Beecham Corporation, USA; Black, Michael Terence; Hodgson, John Edward; Knowles, David Justin Charles; Lonetto, Michael Arthur; Nicholas, Richard Oakley; Stodola, Robert King
SO PCT Int. Appl., 640 pp.

CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 13

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9806734	A1	19980219	WO 1997-US14436	19970815 <--
W:	JP, US			
EP 956289	BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE			
R:	BE, CH, DE, DK, FR, GB, GR, IE, IT, LU, NL			
JP 2000514308	T2	20001031	JP 1998-510078	19970815 <--
US 6310193	B1	20011030	US 1997-940572	19970930 <--
US 6165762	A	20001226	US 1997-958668	19971027 <--
US 5932701	A	19990803	US 1997-978458	19971128 <--
US 6284878	B1	20010904	US 1997-991023	19971215 <--
US 6171835	B1	20010109	US 1999-385288	19990830 <--
US 6348578	B1	20020219	US 1999-417511	19991014 <--
US 2002091236	A1	20020711	US 2001-861345	20010518 <--
PRAI US 1996-24022P	P	19960816		
US 1997-37536P	A2	19970210		
US 1997-889711	A2	19970708		
US 1997-911503	A2	19970815		
WO 1997-US14436	W	19970815		
US 1997-958668	A3	19971027		
US 1997-977535	A3	19971125		
US 1997-978454	A3	19971125		

AB Newly identified polynucleotides, polypeptides encoded by such polynucleotides, the uses of such polynucleotides and polypeptides, as well as the prodn. of such polynucleotides and polypeptides, are provided. recombinant host cells transformed with the polynucleotides, are provided. Thus, 322 DNA fragment sequences and 392 encoded protein sequences are provided that are expressed by Streptococcus pneumoniae strain 0100993 during infection. Because each DNA sequence contains an open reading frame (ORF) with appropriate initiation and termination codons, the encoded protein upon expression can be used as a target for the screening of antimicrobial drugs. This invention also relates to inhibiting the biosynthesis or action of such polynucleotides or polypeptides and to the use of such inhibitors in therapy.

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L66 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1997:498657 CAPLUS
DN 127:187186
TI Expression of two novel recombinant proteins from aortic adventitia (Kappa1b), sharing amino acid sequences with cytomagalovirus (Kappa1b), Kathleen J.; Hirose, Hiroshi; Xia, Shichao; Chew, David; Kneegen, James; Ili, Iliason; M. David
CS Columbia University and Department of Surgery of the St. Luke's-Roosevelt Hospital Center, New York, NY, 10019, USA
SO JOURNAL OF SURGICAL RESEARCH (***1997***), 63(2), 277-282
CODEN: JSGRMZ; ISSN: 0022-4804
PB Academic
DT Journal
LA English
AB We have recently purified and partially sequenced a microfibrillar protein

from human aortic adventitia (aneurysm-associated antigenic protein, 40 kDa [AAAP-40]) that is immunoreactive with Ig (19g) from the wall of abdominal aortic aneurysms (AAAs). It shares motifs with Ig kappa (which may act as a binding site for interaction with integrins), cytochrome b5 (which may be a mol. mimic in the pathogenesis of AAA), and vitronectin and the ***fibrinogen***. A cDNA library was constructed from the aortic adventitia of an AAA. The library was screened with either rabbit anti-vitronectin antibody or rabbit anti-***fibrinogen*** antibody. Pos. plaques were purified and expressed in a strain of Escherichia coli. The clone sequences were analyzed. The expressed proteins were sepd. by SDS/PAGE and the immunoblots were probed with either AAAP 19g or anti-human Ig kappa antibody. Exptl. cell lines, transfected with the clones (clones 1 and 5), synthesized recombinant proteins (AAAP-CL1 and AAAP-CL5), detectable in Western immunoblots with AAAP 19g. A prediction of the tertiary structure resembles well-characterized cell adhesion molts. These findings suggest that there is a novel family of matrix proteins that may use Ig motifs as binding sites for cellular integrins and that there are matrix proteins in addn. to AAAP-40 that may serve as autoantigens in the pathogenesis of AAA disease.

L66 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1993:554328 CAPLUS
 DN 119:134328
 TI A comparative analysis of cDNA-derived sequences for rat and mouse .beta.3 integrins (GP11A) with their human counterpart
 AU Cleutaut, A. M.; Rosa, J. P.; Letourneur, F.; Poncz, M.; Rifat, S.
 CS Hop. Lariboisiere, Paris, Fr.
 SO Biochemical and Biophysical Research Communications (***1993***), 193(2), 771-8
 CODEN: BBRCAG, ISSN: 0006-291X
 LA English
 AB .alpha.1Ib.beta.3 (GP11b-IIIa), the platelet receptor for .alpha.1Ib.beta.3 (GP11b-IIIa), the platelet receptor for the mouse and rat .beta.3 cDNAs is described here. These data represent the first available non-human .beta.3 sequences, allowing important comparative analyses. Both .beta.3 sequences are highly homologous with human .beta.3, well above the av. rodent-human protein homol. of 79%. The ligand binding domains (amino acids 109-171 and 204-229) are, resp., 90% and 100% homologous. The .beta.3 transmembrane and the cytoplasmic tail are surprisingly highly conserved, being 97% and 100% homologous, resp., but share little homol. with .beta.1 or .beta.2. This latter difference argues strongly in favor of a crucial .beta.3-specific function for these domains. In conclusion the first comparative anal. of .beta.3 chains demonstrates a high overall homol. The biol. implications of these comparisons are discussed.

L66 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1991:37194 CAPLUS
 DN 114:37194
 TI Recombinant manufacture of soluble functional Integrins
 IN Bodary, Sarah C.; Gorman, Cornelia M.; McLean, John W.; Nappier, Mary A.
 PA Genentech, Inc., USA
 SO PCT Int. Appl., 47 pp.
 CODEN: PIXXD2
 DT Patent
 LA English

PAT. CNT 1
 PATENT NO. KIND DATE APPLICATION NO. DATE
 PI WO 9006953 A2 19900628 WO 1989-US5743 19891220 <--
 WO 9006953 A3 19900809

W: AU, JP
 R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE
 AU 9048326 A1 19900710 AU 1990-48326 19891220 <--
 AU 638964 B2 19900715 19900715
 AU 452364 A1 19911023 EP 1990-901448 19891220 <--
 EP 452364 B1 20020522
 R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE
 JP 04502327 T2 19920423 19920423
 JP 200211796 A2 20020416 JP 1990-501899 19891220
 EP 1201756 A2 20020502 EP 2001-257835 19891220
 EP 1201756 A3 20021030
 R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE
 EP 1201757 A2 20020502 EP 2001-124410 19891220
 EP 1201757 A3 20020911

R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE
 AT 217687 E 20020615 19891220
 ES 2176174 T3 20021201 ES 1990-901448 19891220
 CA 2006475 AA 19900622 CA 1989-2006475 19891220 <--
 US 5726037 A 19960310 US 1995-444792 19950519 <--
 US 5726290 A 19960310 US 1995-445042 19950519 <--
 US 5837486 A 19961117 US 1995-445443 19950519 <--
 PRAI US 1988-290224 A 19881222
 US 1989-444490 A 19891201
 EP 1990-901448 A3 19891220
 JP 1990-501899 A3 19891220
 WO 1989-US5743 A 19891220
 US 1992-821337 B1 19920113
 US 1994-218878 B1 19940328
 US 1995-380227 B3 19950130

AB Human polypeptide receptors such as platelet glycoprotein GPIIb-IIIa are manuf. as a functional, i.e. ligand-binding, sol. dimer by expression of cDNAs for analogs lacking the transmembrane and cytoplasmic domains of the polypeptides. These sol. derivs. have altered physiol. properties that make them therapeutically useful and as reagents for the detn. of their ligands. A cDNA for GPIIb was cloned using an oligonucleotide probe and a cDNA for GPIIa of the prior art obtained and modified to lower the G/C content of the 5' region. Expression vectors for the two cDNAs were introduced into 293S cells and transformants shown to produce the membrane-bound complex. The cDNAs were then modified to introduce stop codons into the sequence immediately before the coding sequences for the transmembrane domains. 293S cells transformed with the appropriate plasmids were shown to produce the sol. dimer. Clones stably expressing the genes were established. The protein was secreted as a dimer and was able to bind fibrinogen.

L66 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1990:212623 CAPLUS
 DN 112:212623
 TI Two contrary functions of tenascin: dissection of the active sites by recombinant tenascin fragments
 AU Spring, Juerg; Beck, Konrad; Chiquet-Ehrismann, Ruth
 CS Friedrich Miescher-Inst., Basel, CH-4002, Switz.

50 Cell (Cambridge, MA, United States) (***1989***), 59(2), 325-34
CODEN: CELIAB; ISSN: 0092-8674

DT Journal
LA English
AB A structural and functional model of tenascin was elaborated using recombinant parts of 3 alternatively spliced tenascin variants and anti-tenascin monoclonal antibodies. The fusion proteins were compared with intact tenascin for their functions and by electron microscopy. A strong cell-binding site was localized within 104 amino acids. This fragment also contains the epitope of the monoclonal antibody anti-Tn68, which inhibits cell attachment to tenascin and binds near the tips of the 6 arms of tenascin. In contrast, constructs containing the 13 1/2 EGF-like repeats of tenascin showed an antiadhesive effect. The coexistence of the 2 contrary signals on the same mol. might be responsible for the versatile features of tenascin.

166 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1989;129541 CAPLUS
DN 110;129541
TI Cloning of glycoprotein IIa cDNA from human erythroleukemia cells and localization of the gene to chromosome 17
AU Rosa, Jean Philippe; Bray, Paul F.; Gayet, Odile; Johnston, Geoffrey I.; Cook, Richard G.; Jackson, Kenneth W.; Shuman, Marc A.; Webster, Rodger P.; Hop, Larbostiere, Paris, Fr.
CS Blood (***1988***), 72(2), 593-600
SO CODEN: BLOOD; ISSN: 0006-4971

DT Journal
LA English
AB Platelet aggregation requires the binding of adhesive proteins such as ***fibrinogen*** to the heterodimer of membrane glycoproteins IIb (GPIIb) and IIIa (GPIIa). Human erythroleukemia (HEL) cells synthesize both GPIIb and GPIIa. Using poly(A+) RNA purified from HEL cells, a cDNA library was constructed in the lambda-gt10 phage vector. This library was screened with a 38mer oligonucleotide derived from a platelet GPIIa peptide, and three overlapping cDNAs were isolated. The three inserts encompassed 3.5 kilobases (kb), including the entire coding region of mature GPIIa (2286 bases), bp and 1.3 kb of 3' untranslated sequence. All 222 residues deduced directly from platelet GPIIa tryptic peptides exactly matched the HEL cell-deduced amino acid sequence. The HEL cell sequence matched a previously reported endothelial cell cDNA sequence except for eight nucleotides. Five of these nucleotide differences were silent changes consistent with genetic polymorphisms. The other three differences resulted in changes in the deduced amino acid sequence of GPIIa; reexam. of the endothelial cell cDNA sequence in these three areas revealed that it is actually identical to the HEL cell sequence. The virtual identity of the endothelial and HEL cell cDNA sequences provides direct evidence that GPIIa is a subunit common to cell-adhesion receptors present in more than one cell type. The gene for GPIIa was localized to chromosome 17, the same chromosome to which the gene for GPIIb was mapped.

166 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1987;402841 CAPLUS
DN 107;2841
TI Precell sequence of endothelial glycoprotein IIa derived from a cDNA clone. Identity with platelet glycoprotein IIa and similarity to "integrin"

AU Fitzgerald, Laurence A.; Steiner, Beaty Rall, Stanley C., Jr.; Io, Shan Shan; Phillips, David R.
CS Cardiovasc. Res. Inst., Univ. California, San Francisco, San Francisco, CA, 94140-0608, USA
SO Journal of Biological Chemistry (***1987***), 262(9), 3936-9
CODEN: JBICAA; ISSN: 0021-9258

DT Journal
LA English
AB Platelet membrane glycoprotein (GP) IIa forms a Ca2+-dependent heterodimer complex with GP IIb. The GP IIb-IIIa complex constitutes the ***fibrinogen*** and fibronectin receptor on stimulated platelets. A biochem. and immunol. similar membrane glycoprotein complex is present on endothelial cells. A human umbilical vein endothelial cell cDNA library was screened using oligonucleotide probes designed from peptide sequences obtained from platelet GP IIa. A cDNA clone was sequenced and found to encode a protein of 84.5 kilodaltons. The translated endothelial cDNA contained 5 sequences that corresponded to peptide sequences in platelet GP IIa, including the N-terminal 19 residues. Thus, the endothelial and platelet forms of GP IIa are apparently identical. Glycoprotein IIa consists of (1) a long N-terminal extracellular domain with several potential N-linked glycosylation sites and 4 cysteine-rich tandem repeats; (2) a 29-residue hydrophobic transmembrane segment; and (3) a short C-terminal cytoplasmic domain. Glycoprotein IIa has a 47 amino acid sequence homol. to integrin, a fibronectin receptor from chicken embryo fibroblasts. This homol. suggests that GP IIa is a member of a family of cell-surface adhesion receptors.

=> d his
(FILE 'HOME' ENTERED AT 12:00:59 ON 07 OCT 2004)

FILE 'REGISTRY' ENTERED AT 12:01:08 ON 07 OCT 2004
L1 24910 S CIPNDGSGTY[ANDQGIIMFSTWY][SGSY][PENGKSTY][RGM][LIM
L2 167 S CIPROST][ANDQGIIMFSTWY][ES][PENGSTY][LIMOSTY][RMI]/SOS
L3 27 S CIPW[ANDQGIIMFSTWY][ANDQGIIMFSTWY][ANDQGIIMFSTWY][ANDQGIIMFSTWY]
L4 0 S W[ANDQGIIMFSTWY][ANDQGIIMFSTWY][ANDQGIIMFSTWY][ANDQGIIMFSTWY]
L5 0 S W[ANDQGIIMFSTWY][ANDQGIIMFSTWY][ANDQGIIMFSTWY][ANDQGIIMFSTWY]
L6 0 S W[ANDQGIIMFSTWY][ANDQGIIMFSTWY][ANDQGIIMFSTWY][ANDQGIIMFSTWY]
L7 2 S CYS-PRO-ASP-GLY-ASN-TRP-LEU-TRP-CYS/SOSP
L8 1 S CYS-PRO-ASP-GLY-ASN-TRP-LEU-TRP-CYS/SOSP
L9 5 S CYS-PRO-ASP-GLY-ASN-TRP-LEU-TRP-CYS/SOSP
L10 3 S CYS-PRO-ASP-GLY-ASN-TRP-LEU-TRP-CYS/SOSP
L11 2 S CYS-PRO-ASP-GLY-ASN-TRP-LEU-TRP-CYS/SOSP
L12 2 S CYS-PRO-ASP-GLY-ASN-TRP-LEU-TRP-CYS/SOSP
L13 2 S CYS-PRO-ASP-GLY-ASN-TRP-LEU-TRP-CYS/SOSP
L14 2 S CYS-PRO-ASP-GLY-ASN-TRP-LEU-TRP-CYS/SOSP
L15 2 S CYS-PRO-ASP-GLY-ASN-TRP-LEU-TRP-CYS/SOSP
L16 2 S CYS-PRO-ASP-GLY-ASN-TRP-LEU-TRP-CYS/SOSP
L17 2 S CYS-PRO-ASP-GLY-ASN-TRP-LEU-TRP-CYS/SOSP
L18 2 S CYS-PRO-ASP-GLY-ASN-TRP-LEU-TRP-CYS/SOSP
L19 2 S CYS-PRO-ASP-GLY-ASN-TRP-LEU-TRP-CYS/SOSP
L20 2 S CYS-PRO-ASP-GLY-ASN-TRP-LEU-TRP-CYS/SOSP
L21 2 S CYS-PRO-ASP-GLY-ASN-TRP-LEU-TRP-CYS/SOSP
L22 2 S CYS-PRO-ASP-GLY-ASN-TRP-LEU-TRP-CYS/SOSP
L23 2 S CYS-PRO-ASP-GLY-ASN-TRP-LEU-TRP-CYS/SOSP
L24 1 S CYS-PRO-ASP-GLY-ASN-TRP-LEU-TRP-CYS/SOSP

L25 4 S 'TRP-GLN-PRO-CYS-PRO-TRP-GLU-SER-TRP-THR-PHE-CYS-TRP-ASP-PRO
L26 2 S 'TRP-ALA-PRO-CYS-GLN-GLU-PRO-TRP-LEU-PHE-CYS-PHE-HIS-GLY
L27 1 S 'PRO-ARG-PRO-CYS-TYR-GLY-GLU-SER-GLY-ILE-PHE-CYS-TRP-LYS-VAL
L28 1 S 'PRO-ARG-PRO-CYS-THR-GLY-GLU-PRO-GLY-PRO-ILE-CYS-GLY-PRO-ARG
L29 1 S 'TRP-GLN-ALA-CYS-GLN-LEU-GLY-TYR-ARG-THR-TYR-CYS-TRP-ASP-GLY
L30 1 S 'TRP-LYS-PHE-CYS-ASP-GLY-TRP-GLY-SER-TRP-LYS-PHE-CYS-TRP-ASP-GLY
L31 1 S 'TRP-ASN-GLY-CYS-GLY-TRP-GLY-SER-TRP-LYS-PHE-CYS-GLY-GLU-GLY
L32 1 S 'TRP-LEU-ASN-CYS-GLY-TRP-GLY-SER-GLY-LYS-LEU-CYS-LEU-GLU-VAL
L33 1 S 'CYS-TYR-PHE-CYS-PRO-GLY-GLU-PRO-TRP-THR-PHE-CYS-CYS-ASP-ASP
L34 1 S 'TRP-HIS-PHE-CYS-PRO-GLY-GLU-PRO-TRP-THR-PHE-CYS-CYS-ASP-ASP
L35 1 S 'TRP-GLN-THR-CYS-PRO-GLY-TYR-LEU-ARG-SER-LEU-CYS-TRP-ALA-GLY
L36 1 S 'TRP-TYR-PHE-CYS-PRO-GLY-GLU-PRO-TRP-SER-PHE-CYS-TRP-ASP-GLY
L37 1 S 'PRO-ARG-PRO-CYS-ARG-GLY-GLU-SER-TRP-PRO-TYR-CYS-PRO-ASP-GLY
L38 1 S 'TRP-GLN-ALA-CYS-PRO-GLY-TYR-LYS-ARG-GLN-PHE-CYS-TRP-ASP-GLY
L39 1 S 'PRO-ARG-PRO-CYS-GLY-GLN-GLU-SER-ARG-THR-PHE-CYS-LEU-GLU-GLY
L40 1 S 'PRO-ARG-PRO-CYS-PHE-GLN-LYS-GLY-GLY-THR-LEU-CYS-TRP-PRO-GLY

FILE 'HOME' ENTERED AT 12:36:28 ON 07 OCT 2004
FILE 'SIOSIS, CAPLUS' ENTERED AT 12:36:20 ON 07 OCT 2004
0 S L1

FILE 'HOME' ENTERED AT 12:40:48 ON 07 OCT 2004

FILE 'CAPLUS' ENTERED AT 12:40:52 ON 07 OCT 2004

L42 5026 S L1
L43 114 S L2
L44 8 S L3
L45 5029 S L42 OR L43 OR L44
L46 4761 DUP REM L45 (268 DUPLICATES REMOVED)
L47 4761 S L46
L48 4761 S L46 NOT WESCOTT/IN
L49 4761 S L48 NOT WESCOTT/IN
L50 4761 S L46
L51 4759 S L46 NOT E6
L52 4757 S L51 NOT FIBRIN
L53 6 S L44 NOT E6
L54 112 S L43 NOT E6
L55 16 S L54 AND PY<1999
L56 16 S L55 NOT L53
L57 4 S (L7 OR L8 OR L9 OR L10 OR L11 OR L12 OR L13 OR L14 OR L16 OR
L58 4 S (L23 OR L24 OR L25 OR L26 OR L27 OR L28 OR L29 OR L30 OR L31
SET DETAIL OFF
L59 4 S L57 OR L58
L60 2 S L59 NOT E6

FILE 'HOME' ENTERED AT 13:28:53 ON 07 OCT 2004

FILE 'REGISTRY' ENTERED AT 13:29:38 ON 07 OCT 2004

FILE 'CAPLUS' ENTERED AT 13:30:01 ON 07 OCT 2004

FILE 'REGISTRY' ENTERED AT 13:30:12 ON 07 OCT 2004

FILE 'HOME' ENTERED AT 13:30:16 ON 07 OCT 2004
FILE 'REGISTRY' ENTERED AT 13:30:50 ON 07 OCT 2004
0 S L2 AND PY<=2001

FILE 'CAPLUS' ENTERED AT 13:33:45 ON 07 OCT 2004
L62 3057 S L45 AND PY<=2001
L63 25 S L62 AND FIBRIN?
L64 25 S L63 NOT E6
L65 25 S L64 NOT "WESCOTT CHARLES R"/AU
L66 14 S L65 NOT L56

=> log h
COST IN U.S. DOLLARS
FULL ESTIMATED COST
SINCE FILE
ENTRY
TOTAL
44.74
1339.14

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
CA SUBSCRIBER PRICE
SINCE FILE
ENTRY
TOTAL
-9.80
-25.90

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:36:15 ON 07 OCT 2004
Connecting via Winsock to STN

Welcome to STN International! Enter x:x

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:27:24 ON 07 OCT 2004

=> d h1s

(FILE 'HOME' ENTERED AT 15:27:24 ON 07 OCT 2004)

=> file dgene

COST IN U.S. DOLLARS
FULL ESTIMATED COST
SINCE FILE
ENTRY
TOTAL
0.21
0.21

FILE 'DGENE' ENTERED AT 15:28:00 ON 07 OCT 2004
COPYRIGHT (C) 2004 THE THOMSON CORPORATION

FILE LAST UPDATED: 24 SEP 2004 <20040924/DP>

DGENE CURRENTLY CONTAINS 6,130,750 BIOSEQUENCES

>>> NEW DISPLAY FIELDS L5 AND L52 (LEGAL STATUS DATA FROM
THE INPADOC DATABASE) AVAILABLE IN DGENE - SEE NEWS <<<

>>> ONLINE THESAURUS AVAILABLE IN /PAOC <<<

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>>> DOWNLOAD THE DGENE WORKSHOP MANUAL:
http://www.stn-international.de/training_center/bioseq/dgene_km.pdf
>>> DOWNLOAD COMPLETE DGENE HELP AS PDF:
http://www.stn-international.de/training_center/bioseq/dgene_help.pdf <<<
>>> DOWNLOAD DGENE BLAST/GETSIK FREQUENTLY ASKED QUESTIONS:
http://www.stn-international.de/service/faq/dgenefaq.pdf <<<

=> run getseq C[PNGST][ANDQIGLMEPSTWV][ES][PDENQSTY][WILMNQSTV][FWY]/SQSP
RUN GETSEQ AT 21:27:38 ON 07 OCT 2004
COPYRIGHT (C) 2004 FIZ KARLSRUHE GMBH

L1 RUN STATEMENT CREATED
L1 334 C[PNGST][ANDQIGLMEPSTWV][ES][PDENQSTY][WILMNQSTV][FWY]/SQSP

=> dup rem l1
DUPLICATE IS NOT AVAILABLE IN 'DGENE'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L1
L2 334 DUP REM L1 (0 DUPLICATES REMOVED)

=> s l2 not "wescott charles r"/in
L3 334 S L2
L3 0 "WESCOTT CHARLES R"/IN
L4 334 L3 NOT "WESCOTT CHARLES R"/IN

=> e wescott/in
E1 13 WESCHE H/IN
E2 4 WESCHKE W/IN
E3 0 --> WESCOTT/IN
E4 389 WESCOTT C R/IN
E5 17 WESLAKE R J/IN
E6 38 WESLOH R/IN
E7 12 WESNERBERG D/IN
E8 18 WESKAMP C/IN
E9 39 WESKE M/IN
E10 2 WESLEY B/IN
E11 8 WESLEY I V/IN
E12 42 WESLEY R D/IN

=> s l2 not e4
L5 334 S L2
L5 389 "WESCOTT C R"/IN
L6 300 L5 NOT "WESCOTT C R"/IN

=> s l6 and PY <=2001
2847180 PY <=2001
(PY<=2001)
L7 36 L6 AND PY <=2001

=> d l7 1-36
L7 ANSWER 1 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN ABP07066 Protein DGENE

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TI Novel human polypeptides and polynucleotides useful for diagnosing,
preventing and treating cardiovascular disease, neurodegenerative,
hyperproliferative disorders and autoimmune disorders
IN Shimkete R A; Leach M D
PA (CURA-N) CURAGEN CORP.
PI ***WO 2001092523 A2 20011206 999p***
AI WO 2001-US10836 20010529
PRAI US 2000-206132P 20000530
DT US 2000-228716P 20000829
LA English
OS 2002-106308 (14)
CR N-PSDB: AAN22818
DESC Human ORF protein sequence SEQ ID NO:14114.

L7 ANSWER 2 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN AB89477 Protein DGENE
TI Novel 1405 isolated polypeptides, useful for diagnosis, treatment and
prevention of neural, immune system, muscular, reproductive,
gastrointestinal, pulmonary, cardiovascular, renal and proliferative
disorders -
IN Birse C E; Rosen C A
PA (HUMA-N) HUMAN GENOME SCI INC.
PI ***WO 2001090304 A2 20011129 999p***
AI WO 2001-US16450 20010518
PRAI US 2000-205515P 20000519
DT Patent
LA English
OS 2002-122018 (16)
CR N-PSDB: AB189886
DESC Human polypeptide SEQ ID NO 1853.

L7 ANSWER 3 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN AA014005 protein DGENE
TI Novel isolated nucleic acid molecule which encodes a fibrinogen E
polypeptide which is useful for treating cancer, diabetic retinopathy,
osteosty, hepatitis, pneumonia, glomerulonephritis, asthma and thyroiditis
IN Lewis C; Staton C
PA (UYSH-N) UNIV SHEFFIELD.
PI ***WO 2001088129 A1 20011122 41p***
AI WO 2001-GB2079 20010514
PRAI GB 2000-11464 20000513
GB 2000-14370 20000614
GB 2000-27396 20001109
DT Patent
LA English
OS 2002-062380 (08)
CR N-PSDB: AAK98254
DESC Human fibrinogen E-Fragment alpha-chain amino acids 1-78.

L7 ANSWER 4 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN AB870490 Protein DGENE
TI New isolated nucleic acid detection reagent for detecting 1000 or more
genes from Drosophila and for elucidating cell signalling and cell-cell
interactions -
IN Venter J C; Adams M; Li P W D; Myers E W

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PA (PEKE) PE CORP NY.
 PI ***WO 2001071042 A2 20010927 21p***
 AI WO 2001-US9231 20010323
 PRAI US 2000-191637P 20000323
 US 2000-614150 20000711

DT Patent
 LA English
 OS 2001-656860 [75]
 CR N-PDB: ABL14593
 DESC Drosophila melanogaster polypeptide SEQ ID NO 38262.

L7 ANSWER 5 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AB059448 Protein DGENE
 TI New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signalling and cell-cell interactions -
 IN Venter J C; Adams M; Li P W D; Myers E W
 PA (PEKE) PE CORP NY.
 PI ***WO 2001071042 A2 20010927 21p***
 AI WO 2001-US9231 20010323
 PRAI US 2000-191637P 20000323
 US 2000-614150 20000711

DT Patent
 LA English
 OS 2001-656860 [75]
 CR N-PDB: ABL03551
 DESC Drosophila melanogaster polypeptide SEQ ID NO 5136.

L7 ANSWER 6 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN ABG00414 Protein DGENE
 TI New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess biodiversity -
 IN Drmanac R T; Liu C; Tang Y T
 PA (HYSE-N) HYSEQ INC.
 PI ***WO 2001075067 A2 20011011 103p***
 AI WO 2001-US8631 20010330
 PRAI US 2000-540217 20000331
 US 2000-649167 20000823

DT Patent
 LA English
 OS 2001-639362 [73]
 CR N-PDB: AAS84601
 DESC Novel human diagnostic protein #20405.

L7 ANSWER 7 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN ABG15828 Protein DGENE
 TI New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess biodiversity -
 IN Drmanac R T; Liu C; Tang Y T
 PA (HYSE-N) HYSEQ INC.
 PI ***WO 2001075067 A2 20011011 103p***
 AI WO 2001-US8631 20010330
 PRAI US 2000-540217 20000331

DT US 2000-649167 20000823
 LA English
 OS 2001-639362 [73]
 CR N-PDB: AAS60015
 DESC Novel human diagnostic protein #15819.

L7 ANSWER 8 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN ABG02222 Protein DGENE
 TI New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess biodiversity -
 IN Drmanac R T; Liu C; Tang Y T
 PA (HYSE-N) HYSEQ INC.
 PI ***WO 2001075067 A2 20011011 103p***
 AI WO 2001-US8631 20010330
 PRAI US 2000-540217 20000331
 US 2000-649167 20000823

DT Patent
 LA English
 OS 2001-639362 [73]
 CR N-PDB: AAS66409
 DESC Novel human diagnostic protein #2213.

L7 ANSWER 9 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAG65891 Protein DGENE
 TI Isolated polypeptides, which may be peptide hormones, which are identified by high throughput genome-based biology which identifies genes and gene products as therapeutic targets for treatment of diseases such as diabetes and cancer -
 IN Agarwal P; Murdoch P R; Rizvi S K; Smith R F; Xiang Z; Kabnick K S; Lai Y
 PA (SMIK) SMITHKLINE BEECHAM CORP.
 PI ***WO 2001072961 A2 20011004 99p***
 AI WO 2001-US9226 20010322
 PRAI US 2000-192158P 20000324
 US 2000-192688P 20000328
 US 2000-200166P 20000427

DT Patent
 LA English
 OS 2001-639223 [73]
 CR N-PDB: AAL67181
 DESC Amino acid sequence of GSK gene Id 74552.

L7 ANSWER 10 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAG65890 Protein DGENE
 TI Isolated polypeptides, which may be peptide hormones, which are identified by high throughput genome-based biology which identifies genes and gene products as therapeutic targets for treatment of diseases such as diabetes and cancer -
 IN Agarwal P; Murdoch P R; Rizvi S K; Smith R F; Xiang Z; Kabnick K S; Lai Y
 PA (SMIK) SMITHKLINE BEECHAM CORP.
 PI ***WO 2001072961 A2 20011004 99p***
 AI WO 2001-US9226 20010322
 PRAI US 2000-192158P 20000324

US 2000-192662P	20000328		
US 2000-200166P	20000427		
Patent			
English			
2001-699223 (73)			
N-PSDB: AA167180			
CR			
DESC			
Amino acid sequence of GSK gene Id 74552.			
L7	ANSWER 11 OF 36	DGENE	COPYRIGHT 2004 The Thomson Corp on STN
AN	AA847569	Protein	DGENE
TI	New polypeptide for treating gastrointestinal, cardiovascular and autoimmune disorders, comprises novel human proteases (PRTS) and polynucleotides -		
IN	Yue H; Lu D A M; Policky J L; Deleage A M; Tribouley C M; Khan F A; Au-Yang Y; Bandhan O; Lal P; Borowsky M L; Gandhi A R; Hillman J L; Tang Y T; Burford N; Baughn M R; Nguyen D B; Yao M G; Walla N K; He A; Hafalla A; Lu Y; Patterson C		
PA	(INCY-N) INCYTE GENOMICS INC.		
PI	***WO 2001071004 A2	20010927	129p***
AI	WO 2001-US8441	20010316	
PRAI	US 2000-190708P	20000317	
	US 2000-193182P	20000330	
	US 2000-197086P	20000414	
	US 2000-199022P	20000420	
	US 2000-200227P	20000428	
DT	Patent		
LA	English		
OS	2001-611509 (70)		
CR	N-PSDB: AA443522		
DESC	Protease PRTS-11.		
L7	ANSWER 12 OF 36	DGENE	COPYRIGHT 2004 The Thomson Corp on STN
AN	AA011054	Protein	DGENE
TI	Isolated nucleic acids and polypeptides, useful for preventing diagnosing and treating e.g. leukaemia, inflammation and immune disorders -		
IN	Tang Y T; Liu C; Drmanac R T		
PA	(HYSE-N) HYSEQ INC.		
PI	***WO 2001064835 A2	20010907	999p***
AI	WO 2001-US4927	20010226	
PRAI	US 2000-515126	20000228	
	US 2000-577409	20000518	
DT	Patent		
LA	English		
OS	2001-514838 (56)		
CR	N-PSDB: AA190385		
DESC	Human polypeptide SEQ ID NO 24946.		
L7	ANSWER 13 OF 36	DGENE	COPYRIGHT 2004 The Thomson Corp on STN
AN	AAU12295	Protein	DGENE
TI	Isolated, secretory and transmembrane PRO polypeptide used to detect other PRO polypeptides, link bioactive molecules to cells expressing PRO polypeptides, and detect the presence of mammalian tumours e.g. lung, breast, prostate, cervical -		
IN	Baker K P; Beresini M; DeForge L; Desnoyers L; Filvaroff E; Gao W; Gerlitsen M E; Goddard A; Godowski P J; Gurney A L; Sherwood S; Smith V; Stewart T A; Tumas D; Watanabe C K; Wood W I; Zhang Z		
PA	(GEITH) GENENTECH INC.		
PI	***WO 2001040466 A2	20010607	813p***
AI	WO 2000-US32678	20001201	
PRAI	WO 1999-US28301	19991201	
	WO 1999-US28634	19991201	
	WO 1999-US28551	19991202	
	WO 1999-US28564	19991202	
	WO 1999-US28565	19991202	
	US 1999-170262	19991209	
	WO 1999-US30095	19991216	
	WO 1999-US30911	19991220	
	WO 1999-US30939	19991220	
	WO 1999-US31243	19991230	
	WO 2000-US277	20000106	
	WO 2000-US376	20000106	
	WO 2000-US3565	20000211	
	WO 2000-US4341	20000218	
	WO 2000-US4342	20000218	
	WO 2000-US4414	20000222	
	WO 2000-US4914	20000224	
	WO 2000-US5004	20000224	
	WO 2000-US5601	20000301	
	WO 2000-US7377	20000320	
	WO 2000-US7532	20000321	
	WO 2000-US8439	20000330	
	WO 2000-US13705	20000517	
	WO 2000-US14042	20000522	
	WO 2000-US14941	20000530	
	WO 2000-US15264	20000602	
	WO 2000-US30873	20001110	
DT	Patent		
LA	English		
OS	2001-408281 (43)		
CR	N-PSDB: AA521367		
DESC	Human PRO6090 polypeptide sequence.		
L7	ANSWER 14 OF 36	DGENE	COPYRIGHT 2004 The Thomson Corp on STN
AN	AAE00334	Protein	DGENE
TI	Novel membrane bound protein, zsig60 isolated from pituitary gland, and anti-zsig60 antibodies which are useful for identifying or isolating cells of pituitary gland and to detect size and morphology of the gland -		
IN	Presnell S R		
PA	(ZYMO) ZYMOGENETICS INC.		
PI	***WO 2001023567 A1	20010405	89p***
AI	WO 2000-US26664	20000928	
PRAI	US 1999-156367	19990928	
DT	Patent		
LA	English		
OS	2001-266161 (27)		
DESC	Human membrane-bound protein-60 alternative mature extracellular portion.		
L7	ANSWER 15 OF 36	DGENE	COPYRIGHT 2004 The Thomson Corp on STN
AN	AAE00333	Protein	DGENE
TI	Novel membrane bound protein, zsig60 isolated from pituitary gland, and anti-zsig60 antibodies which are useful for identifying or isolating cells of pituitary gland and to detect size and morphology of the gland -		
IN	Presnell S R		
PA	(ZYMO) ZYMOGENETICS INC.		

PI ***WO 2001023367 A1 20010405 89p***
 AI WO 2000-US26664 20000928
 PRAI US 1999-156367 19990928
 DT Patent
 LA English
 OS 2001-266161 [27]
 DESC Human membrane-bound protein-60 (Zsig60) mature extracellular portion.

L7 ANSWER 16 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAE00332 Protein DGENE
 TI Novel membrane bound protein, Zsig60 isolated from pituitary gland, and anti-Zsig60 antibodies which are useful for identifying or isolating cells of pituitary gland and to detect size and morphology of the gland - Presnell S R

IN (ZYMO) ZYMOGENETICS INC.
 PA ***WO 2001023367 A1 20010405 89p***
 PI WO 2000-US26664 20000928
 PRAI US 1999-156367 19990928
 DT Patent
 LA English
 OS 2001-266161 [27]
 DESC Human membrane-bound protein-60 alternative mature protein sequence.

L7 ANSWER 17 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAE00331 Protein DGENE
 TI Novel membrane bound protein, Zsig60 isolated from pituitary gland, and anti-Zsig60 antibodies which are useful for identifying or isolating cells of pituitary gland and to detect size and morphology of the gland - Presnell S R

IN (ZYMO) ZYMOGENETICS INC.
 PA ***WO 2001023367 A1 20010405 89p***
 PI WO 2000-US26664 20000928
 PRAI US 1999-156367 19990928
 DT Patent
 LA English
 OS 2001-266161 [27]
 DESC Human membrane-bound protein-60 (Zsig60) mature protein sequence.

L7 ANSWER 18 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAE00330 Protein DGENE
 TI Novel membrane bound protein, Zsig60 isolated from pituitary gland, and anti-Zsig60 antibodies which are useful for identifying or isolating cells of pituitary gland and to detect size and morphology of the gland - Presnell S R

IN (ZYMO) ZYMOGENETICS INC.
 PA ***WO 2001023367 A1 20010405 89p***
 PI WO 2000-US26664 20000928
 PRAI US 1999-156367 19990928
 DT Patent
 LA English
 OS 2001-266161 [27]
 DESC Human membrane-bound protein-60 (Zsig60).

L7 ANSWER 19 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAE0466 Protein DGENE
 TI Novel secreted protein 5' expressed sequence tag sequences used in

IN diagnostic, forensic, gene therapy, and chromosome mapping procedures
 PA Dumas Milne Edwards J; Duclet A; Giordano J (GESP)
 PI ***WO 9953051 A2 19991021 837p***
 AI WO 1999-18712 19990409
 PRAI US 1998-57719 19980409
 PRAI US 1998-69047 19980428
 DT Patent
 LA English
 OS 2000-038446 [03]
 CR N-PSDB: AA242480
 DESC Human 5' EST related polypeptide SEQ ID NO:1027.

L7 ANSWER 20 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAY94930 Protein DGENE
 TI New polynucleotides encoding secreted proteins, which may have e.g. nutritional, chemokine, immune stimulating or suppressing, hematopoiesis regulating, tissue growth, activin/inhibin antiinflammatory or tumor inhibition activity - Jacobs K; McCoy J M; Lavallee E R; Collins-Racie L A; Evans C; Marberg D; Treacy M; Agostino M J; Steininger R J; Spaulding V; Wong G G; Clark H F; Fechtel K

IN (GENY) GENETICS INST INC.
 PA ***WO 200009352 A1 20000224 641p***
 PI WO 1999-US18298 19990813
 PRAI US 1998-96815 19980817
 PRAI US 1998-96815 19980817
 US 1998-99229 19980904
 US 1998-105368 19981023
 US 1998-115234 19980108
 US 1999-119331 19990212
 US 1999-120375 19990218
 US 1999-132020 19990430
 US 1999-96622 19990811
 DT Patent
 LA English
 OS 2000-205979 [18]
 DESC Human secreted protein clone qai36_1 protein sequence SEQ ID NO:66.

L7 ANSWER 21 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAY62891 Protein DGENE
 TI New fragments of human fibrinogen, useful for treating conditions associated with fibrinogen metabolism - Giesinger G; Applegate D; Stoike-steben L (NYB-NY) NEW YORK BLOOD CENT INC.
 PA ***WO 200009352 A1 20000224 66p***
 PI WO 1999-US18412 19990812
 PRAI US 1998-96210 19980812
 DT Patent
 LA English
 OS 2000-205983 [18]
 CR N-PSDB: AA293039
 DESC Alpha2 subunit of human fibrinogen.

L7 ANSWER 22 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAB38373 Protein DGENE
 TI New nucleic acid molecules encoding 62 human secreted proteins for

diagnosing, preventing, treating or ameliorating medical conditions and used as food additives or preservatives -
 IN Ruben S M; Nl J; Komatsoulis G A; Rosen C A; Soppet D R; Shi Y; Lafleur D W; Olsen H S; Eder R; Florence K A; Moore P A; Birse C E; Young P E
 (HUMA-N) HUMAN GENOME SCI INC.
 PA ***WO 2000061623 A1 20001019 716p***
 WO 2000-US68979 20000406
 P1 US 1999-128693 19990409
 PRAI US 1999-130991 19990426
 DT Patent
 LA English
 OS 2000-647418 [62]
 DESC Human secreted protein encoded by gene 53 clone HEABG18.

L7 ANSWER 23 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAB18983 Protein DGENE
 TI New human transmembrane proteins are used to treat a disease or condition associated with decreased expression of functional HTP e.g. Tourette's disorder, angina and leukaemia -
 IN Yue H; Lai P; Tang Y T; Hillman J L; Reddy R; Bandman O; Baughn M R; Lu D A M; Azimzal Y; Yang J
 (INCYTE-N) INCYTE PHARM INC.
 PA ***WO 2000056891 A2 20000928 130p***
 P1 WO 2000-US7817 20000322
 AI US 1999-125537 19990322
 PRAI US 1999-139565 19990616
 DT Patent
 LA English
 OS 2000-579485 [54]
 CR N-PSDB: AAB96498
 DESC Amino acid sequence of a human transmembrane protein.

L7 ANSWER 24 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAB54135 Protein DGENE
 TI New nucleic acid that is a pancreatic cancer antigen for preventing, treating, or ameliorating a medical condition, particular pancreatic cancer, or for use in assays for diagnosing a pathological condition -
 IN Rosen C A; Ruben S M
 (HUMA-N) HUMAN GENOME SCI INC.
 PA ***WO 2000055320 A1 20000921 999p***
 P1 WO 2000-US5989 20000308
 AI US 1999-124270 19990312
 PRAI DT Patent
 LA English
 OS 2000-579444 [54]
 CR N-PSDB: AAC98900
 DESC Human pancreatic cancer antigen protein sequence SEQ ID NO:587.

L7 ANSWER 25 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAB19796 Protein DGENE
 TI Purified laminin 2 protein, useful for research and therapeutic purposes including peripheral nerve regeneration, treatment of degenerative muscle disorders, angiogenesis regulation, and ex vivo cell therapy -
 IN Yurchenco P
 (UYNE-N) UNIV NEW JERSEY MEDICINE & DENTISTRY.
 PA ***WO 2000066730 A2 20001109 305p***
 P1 WO 2000-US11378 20000428
 AI

PRAI US 1999-131720 19990430
 US 1999-139198 19990615
 US 1999-143289 19990712
 US 1999-153945 19990924
 DT Patent
 LA English
 OS 2000-687537 [67]
 CR N-PSDB: AAB8896
 DESC Mouse laminin 2 mature alpha-2 chain.

L7 ANSWER 26 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAB19795 Protein DGENE
 TI Purified laminin 2 protein, useful for research and therapeutic purposes including peripheral nerve regeneration, treatment of degenerative muscle disorders, angiogenesis regulation, and ex vivo cell therapy -
 IN Yurchenco P
 (UYNE-N) UNIV NEW JERSEY MEDICINE & DENTISTRY.
 PA ***WO 2000066730 A2 20001109 305p***
 P1 WO 2000-US11378 20000428
 AI US 1999-131720 19990430
 PRAI US 1999-139198 19990615
 US 1999-143289 19990712
 US 1999-155945 19990924
 DT Patent
 LA English
 OS 2000-687537 [67]
 CR N-PSDB: AAB8895
 DESC Mouse laminin 2 alpha-2 chain.

L7 ANSWER 27 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAB19794 Protein DGENE
 TI Purified laminin 2 protein, useful for research and therapeutic purposes including peripheral nerve regeneration, treatment of degenerative muscle disorders, angiogenesis regulation, and ex vivo cell therapy -
 IN Yurchenco P
 (UYNE-N) UNIV NEW JERSEY MEDICINE & DENTISTRY.
 PA ***WO 2000066730 A2 20001109 305p***
 P1 WO 2000-US11378 20000428
 AI US 1999-131720 19990430
 PRAI US 1999-139198 19990615
 US 1999-143289 19990712
 US 1999-155945 19990924
 DT Patent
 LA English
 OS 2000-687537 [67]
 CR N-PSDB: AAB8894
 DESC Human laminin 2 mature alpha-2 chain.

L7 ANSWER 28 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAB19793 Protein DGENE
 TI Purified laminin 2 protein, useful for research and therapeutic purposes including peripheral nerve regeneration, treatment of degenerative muscle disorders, angiogenesis regulation, and ex vivo cell therapy -
 IN Yurchenco P
 (UYNE-N) UNIV NEW JERSEY MEDICINE & DENTISTRY.
 PA ***WO 2000066730 A2 20001109 305p***
 P1 WO 2000-US11378 20000428
 AI

PRAI US 1999-131720 19990430
 US 1999-139198 19990615
 US 1999-143289 19990712
 US 1999-155945 19990924
 DT Patent
 LA English
 OS 2000-687537 (671)
 CR N-PSDB: AAA8893
 DESC Human laminin 2 alpha-2 chain.
 L7 ANSWER 29 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAB19792 Protein DGENE
 TI Purified laminin 2 protein, useful for research and therapeutic purposes including peripheral nerve regeneration, treatment of degenerative muscle disorders, angiogenesis regulation, and ex vivo cell therapy -
 IN Yurchenco P
 PA (UYNE-N) UNIV NEW JERSEY MEDICINE & DENTISTRY.
 PI ***WO 2000066730 A2 20001109 305p***
 PRAI WO 2000-US11378 20000428
 US 1999-131720 19990430
 US 1999-139198 19980615
 US 1999-143289 19990712
 US 1999-155945 19990924
 DT Patent
 LA English
 OS 2000-687537 (671)
 CR N-PSDB: AAA8892
 DESC Human laminin 2 mature alpha-2 chain.
 L7 ANSWER 30 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAB19791 Protein DGENE
 TI Purified laminin 2 protein, useful for research and therapeutic purposes including peripheral nerve regeneration, treatment of degenerative muscle disorders, angiogenesis regulation, and ex vivo cell therapy -
 IN Yurchenco P
 PA (UYNE-N) UNIV NEW JERSEY MEDICINE & DENTISTRY.
 PI ***WO 2000066730 A2 20001109 305p***
 PRAI WO 2000-US11378 20000428
 US 1999-131720 19990430
 US 1999-139198 19990615
 US 1999-143289 19990712
 US 1999-155945 19990924
 DT Patent
 LA English
 OS 2000-687537 (671)
 CR N-PSDB: AAA8891
 DESC Human laminin 2 alpha-2 chain.
 L7 ANSWER 31 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAB19790 Protein DGENE
 TI Purified laminin 2 protein, useful for promoting tissue repair and promoting nerve growth
 IN Brunken W; Burgess R E; Champlaud M; Koch M; Olson P
 PA (GEHO) GEN HOSPITAL CORP.
 PI ***WO 9919348 A1 19990422 86p***
 PRAI WO 1998-US21391 19981008
 US 1997-61609 19971010

DT Patent
 LA English
 OS 1999-1326542 (27)
 CR N-PSDB: AAX59768
 DESC Human laminin alpha 2 subunit.
 L7 ANSWER 32 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAB18244 Protein DGENE
 TI New nucleic acid expressed at high level in prostatic tumor tissue and encoded polypeptides, useful for treating cancer and screening for therapeutic agents -
 IN Specht T; Hinemann B; Schmitt A; Piliarsky C; Dahl E; Rosenthal A
 PA (MERA-N) METAGEN GES GENOMFORSCHUNG MBH.
 PI ***DE 19811193 A1 19990916 166p***
 PRAI DE 1998-1011193 19980310
 DE 1998-19811193 19980310
 DT Patent
 LA German
 OS 1999-519628 (44)
 CR N-PSDB: AAZ33446
 DESC Human prostate cancer-associated protein 30.
 L7 ANSWER 33 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAR71730 Protein DGENE
 TI New merosin fragments, corresp. DNA and antibodies - for diagnosing tumour malignancy, promoting or inhibiting neurite growth and promoting cell attachment.
 IN Ergvall E; Leivo I
 PA (LUOL-N) LA JOLLA CANCER RES FOUND.
 PI ***WO 9508628 A2 19950330 65p***
 PRAI WO 1994-US10730 19940921
 US 1993-123077 19930922
 DT Patent
 LA English
 OS 1995-139597 (18)
 CR N-PSDB: AAG86480 and AAT17419
 DESC Merosin major subunit.
 L7 ANSWER 34 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAR82244 Protein DGENE
 TI Production of fibrinogen in transgenic mammals - by introducing DNA segments into the germ line of a non-human mammal and collecting milk from female progeny.
 IN Dalrymple M A; Foster D C; Garner I; Prunkard D E
 PA (PHAR-N) PHARM PROTEINS LTD.
 PI (ZIMO) ***WO 9523868 A1 19950908 99p***
 PRAI WO 1995-US2648 19950301
 US 1994-206176 19940303
 DT Patent
 LA English
 OS 1995-320582 (41)
 CR N-PSDB: AAT03853
 DESC Human fibrinogen A-alpha chain protein.
 L7 ANSWER 35 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAR60020 Protein DGENE

```

T1  New hybrid proteins for use in tissue sealing and wound healing -
    comprising a tissue-binding domain from a protein covalently linked to a
    crosslinking domain of another protein
IN  Iranl M H
PA  (Zymo)      ZYMOGENETICS INC.
PI  ***WO 9416085 A2 19940721      87p***
AI  WO 1993-US12687      19931230
PRAI US 1992-998271      19921230
DT  Patent
LA  English
OS  1994-249231 (30)
CR  N-PDB: AAQ70008
DESC Fibronectin.

L7  ANSWER 36 OF 36 DEGENE COPYRIGHT 2004 The Thomson Corp on STN
AN  AAS56269 peptide DEGENE
TI  Synthetic peptide(s) and antibodies against fragment E - derived from
    plasmin-cleaved fibrinogen useful for therapy of disturbances in the
    fibrinolytic system
IN  Kraus M; Stueber W
PA  (BEHM)      BEHRINGERHE AG.
PI  ***DE 4242736 A1 19940623      33p***
AI  DE 1992-4242736      19921217
PRAI DE 1992-4242736      19921217
DT  Patent
LA  German
OS  1994-209452 (26)
DESC Peptide corresponding to C-terminal fragment of cleaved fibrinogen.

```

=> help display
The DISPLAY command is used to view various types of saved and current-session information. To use this command, enter DISPLAY and the name of the item to be displayed. The system will display the item online. Highlighting characters may be suppressed by adding the NOHIGHLIGHT (NOH) option on the command line.

For information on the predefined formats available for the display of records in this file, enter HELP FORMAT at an arrow prompt (=). For information on the display of records using individual fields or groups of fields, enter HELP FIELDS. For information on how to create a user-defined display format, enter HELP SET FORMAT. For information on how to change the default display format for this file, enter HELP SET DFORMAT. To see the current default display format for this file, enter DISPLAY SET DFORMAT.

For more information about the DISPLAY command, enter one of the following HELP commands at an arrow prompt.

```

=> HELP DISPLAY ACC ----- To see the record for a specific
                             Accession Number in a file

=> HELP DISPLAY ARCHIVE --- To grant permission to store STN records
                             for the purposes of electronic access
                             by a specified number of users within
                             your worldwide organization

```

```

=> HELP DISPLAY BROWSE ---- To browse through an answer set without
                             rekeying the DISPLAY command before each
                             answer number

=> HELP DISPLAY CLUSTER --- To see user-defined and system-defined
                             file clusters

=> HELP DISPLAY COST ----- To see the approximate cost of a session

=> HELP DISPLAY CURRENCY -- To see the patent currency status of
                             certain files

=> HELP DISPLAY EXPAND ---- To see the E-number list from an EXPAND
                             or SELECT command

=> HELP DISPLAY FIELD ----- To see the user-defined search fields

=> HELP DISPLAY FORMAT ---- To see the user-defined display formats

=> HELP DISPLAY FROM ----- To see records from specific files when
                             the I-number contains records from
                             multiple files

=> HELP DISPLAY HISTORY --- To see the commands used in this session

=> HELP DISPLAY I# ----- To see answers from a search

=> HELP DISPLAY PFAM ----- To see selective records from specified
                             patent families in an FSORT I-number

=> HELP DISPLAY PRINT ----- To see the status of offline prints
                             requested in this session

=> HELP DISPLAY QUERY ----- To see the definition of a query

=> HELP DISPLAY REDISTRIBUTE -- To grant permission to redistribute
                             within your worldwide organization a
                             specified number of printed or electronic
                             copies of STN records

=> HELP DISPLAY SAVED ----- To list saved items for this loginid

=> HELP DISPLAY SCAN ----- To scan through an answer set in random
                             order with a predefined display format

=> HELP DISPLAY SELECT ---- To see the E-number list from a SELECT or
                             EXPAND command

=> HELP DISPLAY SET ----- To see the SET parameters currently
                             active, changed, or set permanently

=> HELP DISPLAY TERM ----- To see the terms extracted using
                             SmartSELECT

=> HELP DISPLAY TOLERANCE - To see the tolerance in effect for
                             numeric fields available in the current

```

file

=> HELP DISPLAY TSCOT ----- To sort the entries in a display that uses a table format

=> HELP DISPLAY UNIT ----- To see the units in effect for numeric fields available in the current file

=> help display format
To see a list of user-defined display formats for this loginid, enter "DISPLAY FORMAT" at an arrow prompt (=>). This will display for each user-defined format: its name, its definition, and all files for which it is the current default format. To display the information for selected formats, enter "DISPLAY FORMAT" followed by a list of user-defined format names.

Examples:

=> DISPLAY FORMAT
(Lists all user-defined formats for this loginid.)

=> DISPLAY FORMAT .ABS .BASIC
(Lists the values associated with user-defined formats .ABS and .BASIC.)

=> d his

(FILE 'HOME' ENTERED AT 15:27:24 ON 07 OCT 2004)

FILE 'DGENE' ENTERED AT 15:28:00 ON 07 OCT 2004

RUN GETSEQ CLEPSTJ(ANDQIGLMPSTWV)(ES)(PDENOSTY)(WILIMOSTV)(

L1 RUN STATEMENT CREATED

L2 334 DUP REV L1 (0 DUPLICATES REMOVED)

L3 334 S L2

L4 334 S L2 NOT "WESCOTT CHARLES R"/IN

L5 334 S L2

L6 300 S L2 NOT E4

L7 36 S L6 AND PY <=2001

=> d 17 1-36 seqn3 bib

'SQN3' IS NOT A VALID FORMAT FOR FILE 'DGENE'

The following are valid formats:

ABS ----- An, Abstract
ALL ----- An, Title, Abstract, Inventor(s), Patent Assignee(s),
Patent Information, Keywords, Organism, Sequence Information
IALL ----- Same as ALL, Indented
BIB ----- An, Title, Abstract, Inventor(s), Patent Assignee(s),
Patent Information, Application Information, Priority Information,
Document Type, Language, Other Source
IBIB ----- Same as BIB, Indented Format
SQIDE ----- An, Sequence Information, Feature Table
SQIDE3 ----- An, Sequence Information, Feature Table
TRIAL ----- An, Molecule Type, Title, Description, Keywords
FAM ----- Patent Family

AN Accession Number
TI Document Title
IN Inventor(s)
PA Patent Assignee(s)
PI Patent Information
AI Application Information
PRAI Priority Information
PSL Patent Sequence Location
DED Data Entry Date
DT Document Type
LA Language
OS Other Source
DESC Description
KW Keywords
ORGN Organism
AB Abstract
AA Amino Acid
NA Nucleic Acid
SOL Sequence Length
SEQ Sequence
SEQ3 Sequence with 3 Letter Codes
FEAT Feature Table
MTY Molecule Type

To display a particular field or fields, enter the display field codes. For a list of display field codes enter 'HELP DFIELD' at an arrow prompt (=>). Examples of formats include: 'TI', 'AN, TI, KW', 'HI, SEQ', 'PA, ORGN'. The order of the terms in the formats is not important, but information will be displayed in the same order as the format specification. The same formats may be used with the DISPLAY AN command to display the record for a specified accession number.

ENTER DISPLAY FORMAT (BIB):seq 3 bib

'3' IS NOT A VALID FORMAT FOR FILE 'DGENE'

The following are valid formats:

ABS ----- An, Abstract
ALL ----- An, Title, Abstract, Inventor(s), Patent Assignee(s),
Patent Information, Keywords, Organism, Sequence Information
IALL ----- Same as ALL, Indented
BIB ----- An, Title, Abstract, Inventor(s), Patent Assignee(s),
Patent Information, Application Information, Priority Information,
Document Type, Language, Other Source
IBIB ----- Same as BIB, Indented Format
SQIDE ----- An, Sequence Information, Feature Table
SQIDE3 ----- An, Sequence Information, Feature Table
TRIAL ----- An, Molecule Type, Title, Description, Keywords
FAM ----- Patent Family
AN Accession Number
TI Document Title
IN Inventor(s)
PA Patent Assignee(s)
PI Patent Information
AI Application Information
PRAI Priority Information

PSL Patent Sequence Location
DED Data Entry Date
DT Document Type
LA Language
OS Other Source
DESC Description
KW Keywords
ORGN Organism
AB Abstract
AA Amino Acid
NA Nucleic Acid
SOL Sequence Length
SEQ3 Sequence with 3 Letter Codes
FEAT Feature Table
MTY Molecule Type

To display a particular field or fields, enter the display field codes. For a list of display field codes enter 'HELP DFIELDS' at an arrow prompt (=>). Examples of formats include: 'TI', 'AN,TI,KW', 'HIT,SEQ','PA,ORGN'. The order of the terms in the formats is not important, but information will be displayed in the same order as the format specification. The same formats may be used with the DISPLAY AN command to display the record for a specified accession number.
ENTER DISPLAY FORMAT (HIB):lib sqide3

++L7 ANSWER 1 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN ABB7066 Protein DGENE
TI Novel human polypeptides and polynucleotides useful for diagnosing, preventing and treating cardiovascular disease, neurodegenerative, hyperproliferative disorders and autoimmune disorders -
IN Shinkens R A; Leach M D
PA (CURA-N) CURAGEN CORP.
PI ***WO 2001092523 A2 20011206 999p***
WO 2001-US10836 20010529
US 2000-206132P 20000530
PRAI US 2000-228716P 20000829

DT Patent
LA English
OS 2002-106308 [14]
CR N-PSDB: ABB22818
DESC Human ORF protein sequence SEQ ID NO:14114.
AN ABB7066 Protein DGENE
AA 3 A; 3 R; 1 N; 2 D; 0 B; 5 C; 0 Q; 3 E; 0 Z; 3 G; 1 H; 4 I; 9
L; 0 K; 1 M; 4 F; 4 P; 7 S; 2 T; 2 W; 3 Y; 1 V; 1 Others
SOL 59
SEQ3 1 Met-Tyr-Cys-Glu-Ala-Asp-Gly-Ile-Ser-Leu-
11 Leu-Cys-Pro-Leu-Pro-Phe-Cys-Pro-Tyr-Glu-
21 Thr-Tip-Ser-Phe-Ser-Leu-Leu-Ala-Asp-Phe-
31 Cys-Leu-Arg-Gly-Ser-Phe-Tyr-Ile-Phe-Thr-
41 Ser-Ile-Tip-Xxx-Asn-Gly-Ala-Ser-Leu-Leu-
51 Leu-His-Ile-Cys-Val-Arg-Glu-Arg-Ser
HITS AT: 17-24

L7 ANSWER 2 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN ABB89477 Protein DGENE
TI Novel 1405 isolated polypeptides, useful for diagnosis, treatment and prevention of neural, immune system, muscular, reproductive, gastrointestinal, pulmonary, cardiovascular, renal and proliferative disorders -
IN Birse C E; Rosen C A
PA (HOMA-N) HUMAN GENOME SCI INC.
PI ***WO 2001090304 A2 20011129 999p***
WO 2001-US16450 20010518
PRAI US 2000-205515P 20000519
DT Patent
LA English
OS 2002-122018 [16]
CR N-PSDB: ABB89886
DESC Human polypeptide SEQ ID NO 1853.
AN ABB89477 Protein DGENE
AA 6 A; 4 R; 7 N; 3 D; 0 B; 9 C; 4 Q; 7 E; 0 Z; 9 G; 3 H; 4 I; 14 L; 2 K; 4 M; 4 F; 10 P; 9 S; 6 T; 3 W; 3 Y; 4 V; 3 Others
SOL 118
SEQ3 1 Met-Ala-Glu-Met-Asn-His-His-Val-Cys-Pro-
11 Val-Glu-Asn-Tip-Ser-Tyr-Asn-Glu-Ser-Cys-
21 Pro-Pro-Asp-Pro-Ala-Glu-Gln-Gly-Gly-Pro-
31 Lys-Thr-Cys-Cys-Thr-Leu-Leu-Asp-Asp-Xxx-Pro-
41 Leu-Ile-Ser-Lys-Cys-Gly-Ser-Tyr-Pro-Pro-
51 Glu-Ser-Cys-Leu-Phe-Ser-Leu-Ile-Gly-Asn-
61 Met-Gly-Ala-Phe-Met-Glu-Ala-Leu-Ile-Cys-
71 Leu-Leu-Arg-Tyr-Gly-Gln-Leu-Leu-Gln-
81 Ser-Arg-His-Ser-Tip-Val-Asn-Thr-Thr-Xxx-
91 Leu-Ile-Thr-Gly-Cys-Thr-Asn-Ala-Ala-Gly-
101 Leu-Leu-Xxx-Val-Gly-Asn-Phe-Gln-Pro-Arg-
111 Phe-Arg-Tip-Ser-Leu-Leu-Cys-Pro

HITS AT: 9-16
L7 ANSWER 3 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN AA014005 protein DGENE
TI Novel isolated nucleic acid molecule which encodes a fibrinogen E polypeptide which is useful for treating cancer, diabetic retinopathy, obesity, hepatitis, pneumonia, glomerulonephritis, asthma and thyroiditis

IN Lewis C; Staton C
PA (VUSH-N) UNIV SHEFFIELD.
PI ***WO 2001088129 A1 20011122 41p***
WO 2001-GB2079 20010514
AI GB 2000-11464 20000513
PRAI GB 2000-14370 20000614
GB 2000-27396 20001109
DT Patent
LA English
OS 2002-062380 [08]
CR N-PSDB: AA098254
DESC Human fibrinogen E-fragment alpha-chain amino acids 1-76.
AN AA014005 protein DGENE
AA 3 A; 5 R; 5 N; 8 D; 0 B; 4 C; 3 Q; 6 E; 0 Z; 8 G; 1 H; 2 I; 4

L; 6 K; 1 M; 4 F; 3 P; 6 S; 1 T; 2 W; 2 Y; 4 V; 0 Others

SEQ3

1 Ala-Asp-Ser-Gly-Glu-Gly-Asp-Phe-Leu-Ala-
11 Glu-Gly-Gly-Gly-Val-Arg-Gly-Pro-Arg-Val-
21 Val-Glu-Arg-His-Gln-Ser-Ala-Cys-Lys-Asp-
31 Ser-Asp-Tip-Pro-Phe-Cys-Ser-Asp-Glu-Asp-
41 Tip-Asn-Tyr-Lys-Cys-Pro-Ser-Gly-Cys-Arg-
51 Met-Lys-Gly-Leu-Ile-Asp-Glu-Val-Asn-Gln-
61 Asp-Phe-Thr-Asn-Arg-Ile-Asn-Leu-Leu-Lys-
71 Asn-Ser-Leu-Phe-Glu-Tyr-Gln-Lys

HITS AT: 36-43

L7 ANSWER 4 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN

AN ABB70490 Protein DGENE

TI New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signalling and cell-cell interactions -

IN Venter J C; Adams M; Li P W D; Myers E W

PA (PEKE) PE CORP NY.

PI ***WO 2001071042 A2 20010927 21p***

AI WO 2001-US9231 20010323

AI US 2000-191637P 20000323

PRAI US 2000-614150 20000711

DT Patent

LA English

OS 2001-656860 [75]

CR N-PSDB: ABL14593

DESC Drosophila melanogaster polypeptide SEQ ID NO 38262.

AN ABB70490 Protein DGENE

AA 17 A; 11 R; 12 N; 8 D; 0 B; 3 C; 9 Q; 7 E; 0 Z; 18 G; 7 H; 9 I; 20 L; 14 K; 8 M; 14 F; 15 P; 15 S; 12 T; 7 W; 12 Y; 11 V; 0 Others

SEQ3

1 Met-Arg-Ala-Gln-Lys-His-Lys-Pro-His-Trp-
11 Phe-Phe-Asn-Glu-Thr-Leu-Pro-Val-Gln-Tyr-
21 Ala-Tyr-Val-Gly-Gly-Ala-Val-Asn-Leu-Ser-
31 Cys-Asp-Ala-Met-Gly-Glu-Pro-Pro-Pro-Ser-
41 Phe-Thr-Trp-Leu-His-Asn-Asn-Lys-Gly-Ile-
51 Val-Gly-Phe-Asn-His-Arg-Ile-Phe-Val-Ala-
61 Asp-Tyr-Gly-Ala-Thr-Leu-Gln-Leu-Met-
71 Lys-Asn-Ala-Ser-Gln-Phe-Gly-Asp-Tyr-Lys-
81 Cys-Lys-Val-Ala-Asn-Pro-Leu-Gly-Met-Leu-
91 Glu-Arg-Val-Ile-Lys-Leu-Arg-Pro-Gly-Pro-
101 Lys-Pro-Leu-Gly-Pro-Arg-Arg-Phe-Glu-Leu-
111 Lys-Lys-Leu-Tyr-Thr-Asn-Gly-Phe-Glu-Leu-
121 Asp-Ile-Gln-Thr-Pro-Arg-Met-Ser-Asn-Val-
131 Ser-Asp-Glu-Met-Gln-Ile-Tyr-Gly-Tyr-Arg-
141 Val-Ala-Tyr-Met-Ser-Asp-Thr-Glu-Phe-Lys-
151 Phe-Ser-Ala-Gly-Asn-Trp-Ser-Tyr-Ala-Lys-
161 Gln-Arg-Asp-Phe-Ser-Phe-His-Gly-Lys-
171 His-Phe-Ile-Ile-Pro-His-Leu-Glu-Thr-Asn-
181 Thr-Thr-Tyr-Leu-Met-Arg-Ala-Ala-Ser-Asp-
191 Asn-Leu-Ala-Gly-Leu-Ser-Asp-Tip-Ser-Pro-
201 Val-Lys-Val-Phe-Thr-Thr-Ala-Ala-Gly-Cys-

211 Ser-Tip-Ser-Pro-Tip-Leu-Tyr-Pro-Ser-Tyr-
221 Gly-Leu-Ile-Leu-Ala-Leu-Ile-Tip-Thr

HITS AT: 210-217

L7 ANSWER 5 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN

AN ABB59448 Protein DGENE

TI New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signalling and cell-cell interactions -

IN Venter J C; Adams M; Li P W D; Myers E W

PA (PEKE) PE CORP NY.

PI ***WO 2001071042 A2 20010927 21p***

AI WO 2001-US9231 20010323

AI US 2000-191637P 20000323

PRAI US 2000-614150 20000711

DT Patent

LA English

OS 2001-656860 [75]

CR N-PSDB: ABL03591

DESC Drosophila melanogaster polypeptide SEQ ID NO 5136.

AN ABB59448 Protein DGENE

AA 24 A; 26 R; 23 N; 21 D; 0 B; 7 C; 13 Q; 16 E; 0 Z; 23 G; 11 H; 28 I; 57 L; 21 K; 10 M; 31 F; 22 P; 25 S; 24 T; 13 W; 15 Y; 28 V; 0 Others

SEQ3

1 Met-Leu-Asn-Thr-Phe-Ser-Ser-Val-Arg-Gln-
11 Tyr-Leu-Lys-Phe-Asp-Leu-Thr-Arg-Val-Val-
21 Ile-Asp-Asn-Ile-Val-Phe-Lys-Leu-His-Tyr-
31 Arg-Tip-Thr-Phe-Val-Ile-Leu-Leu-Val-Ala-
41 Thr-Leu-Leu-Ile-Thr-Ser-Arg-Gln-Tyr-Ile-
51 Gly-Glu-His-Ile-Gln-Cys-Leu-Ser-Asp-Gly-
61 Val-Val-Ser-Pro-Val-Ile-Asn-Thr-Phe-Cys-
71 Phe-Phe-Thr-Pro-Thr-Phe-Thr-Val-Val-Arg-
81 Asp-Gln-Asn-Gln-Thr-Ala-Tyr-Arg-Pro-Gly-
91 Ser-Glu-Pro-Pro-Gly-Ile-Gly-Ala-Phe-Asp-
101 Pro-Glu-Lys-Asp-Thr-Ile-Lys-Arg-His-Ala-
111 Tyr-Tyr-Gln-Tip-Val-Pro-Phe-Val-Leu-His-
121 Phe-Gln-Ala-Leu-Cys-Phe-Tyr-Ile-Pro-His-
131 Ala-Leu-Tip-Lys-Ser-Tip-Glu-Gly-Arg-
141 Ile-Lys-Ala-Leu-Val-Phe-Gly-Leu-Arg-Met-
151 Val-Gly-Leu-Thr-Arg-Tyr-Leu-Lys-Asn-Asp-
161 Ser-Leu-Arg-Ile-Gly-Lys-Leu-Asn-Ile-Pro-
171 Ser-Met-Ala-Glu-Ala-Glu-Glu-Arg-Val-Lys-
181 Asp-Ile-Arg-Arg-Thr-Met-Ile-Asp-Arg-Met-
191 Arg-Leu-Asn-Gln-Ser-Tip-Gly-Ala-His-Leu-
201 Val-Phe-Ala-Glu-Val-Leu-Asn-Leu-Ile-Asn-
211 Leu-Leu-Leu-Gln-Ile-Thr-Tip-Thr-Asn-Arg-
221 Phe-Leu-Gly-Gly-Gln-Phe-Leu-Thr-Leu-Gly-
231 Pro-His-Ala-Leu-Lys-Asn-Arg-Tip-Ser-Asp-
241 Glu-Leu-Ser-Val-Leu-Asp-Leu-Val-Phe-Pro-
251 Lys-Ile-Thr-Lys-Cys-Lys-Phe-His-Lys-Asp-
261 Gly-Asp-Ser-Gly-Ser-Ile-Gln-Met-His-Phe-
271 Ala-Leu-Cys-Val-Met-Ala-Leu-Asn-Ile-Met-
281 Asn-Glu-Lys-Ile-Tyr-Ile-Ile-Leu-Tip-Phe-
291 Tip-Tyr-Ala-Phe-Leu-Leu-Ile-Val-Thr-Val-

HITS AT: 343-350
301 Leu-Gly-Leu-Leu-Tyr-Arg-Ile-Leu-Thr-Leu-
311 Cys-Phe-Tyr-Arg-Asn-Val-Thr-Phe-Thr-Arg-
321 Trp-Ser-Leu-Tyr-Trp-Ala-Lys-Pro-Gly-Gln-
331 Leu-Asp-Glu-Asn-Glu-Leu-Leu-Ala-Val-Ile-
341 Asp-Lys-Cys-Asn-Phe-Ser-Asn-Trp-Met-Phe-
351 Leu-Phe-Phe-Leu-Arg-Ser-Asn-Leu-Ser-Glu-
361 Phe-Leu-Phe-Lys-Lys-Val-Ile-Tyr-His-Leu-
371 Ala-Ser-Glu-Phe-Pro-Asn-Pro-Asp-His-Asp-
381 Asn-Asp-Val-Asn-Ala-Tyr-Arg-Glu-Ala-Pro-
391 Pro-Thr-Pro-Ala-Lys-Asn-Arg-Tyr-Pro-Glu-
401 Leu-Ser-Gly-Leu-Asp-Thr-Ile-Asp-Ser-Pro-
411 Leu-Leu-His-Leu-Arg-Arg-Asn-Gly-Ser-Pro-
421 Ser-Ala-Gly-Gly-Ala-Gln-Gly-Pro-Ser-Thr-
431 Ser-Asp-Met-Ala-Lys-Leu-Pro-Val

L7 ANSWER 6 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN ABG20414 Protein DGENE
T1 New isolated polynucleotide and encoded polypeptides, useful in
diagnostics, forensics, gene mapping, identification of mutations
responsible for genetic disorders or other traits and to assess
biodiversity -
Dramac R T; Liu C; Tang Y T
(HYSEQ-N)
P1 ***NO 2001075067 A2 20011011 103p***
P2 WO 2001-058631 20010330
A1 US 2000-540217 20000331
PRAI US 2000-649167 20000823

DT Patent
LA English
OS 2001-639362 [73]
CR N-PSDB: AAS84601
DESC .
AN ABG20414 Protein DGENE
AA 204K; 168R; 161N; 180D; 0 B; 164C; 127Q; 202E; 0 Z; 261G; 73 H; 166I;
247I; 189K; 48 W; 102F; 184P; 198S; 191T; 32 W; 93 Y; 152V; 8 Others
SQL 3150
SEQ3

1 Ser-Asp-Ser-Ser-Gly-Ser-Arg-Glu-Val-Asp-
11 Pro-Val-Ala-Ala-Thr-Thr-Met-Pro-Gly-Ala-
21 Ala-Gly-Val-Leu-Leu-Leu-Leu-Leu-Ser-
31 Gly-Gly-Leu-Gly-Gly-Val-Gln-Ala-Gln-Arg-
41 Pro-Gln-Gln-Gln-Arg-Gln-Ser-Gln-Ala-His-
51 Gln-Gln-Arg-Gly-Leu-Phe-Pro-Ala-Val-Leu-
61 Asn-Leu-Ala-Ser-Asn-Ala-Leu-Ile-Thr-Thr-
71 Asn-Ala-Thr-Cys-Gly-Glu-Lys-Gly-Pro-Glu-
81 Met-Tyr-Cys-Lys-Leu-Val-Glu-His-Val-Pro-
91 Gly-Gln-Pro-Val-Arg-Asn-Pro-Gln-Cys-Arg-
101 Ile-Cys-Asn-Gln-Asn-Ser-Ser-Asn-Pro-Asn-
111 Gln-Arg-His-Pro-Ile-Thr-Asn-Ala-Ile-Asp-
121 Gly-Lys-Asn-Thr-Trp-Trp-Gln-Ser-Pro-Ser-
131 Ile-Lys-Asn-Gly-Ile-Glu-Tyr-His-Tyr-Val-
141 Thr-Ile-Thr-Leu-Asp-Leu-Gln-Gln-Val-Phe-
151 Gln-Ile-Ala-Tyr-Val-Ile-Val-Lys-Ala-Ala-
161 Asn-Ser-Pro-Arg-Pro-Gly-Asn-Tyr-Ile-Leu-
171 Glu-Arg-Ser-Leu-Asp-Asp-Val-Glu-Tyr-Lys-

181 Ala-Trp-Gln-Xxx-His-Ala-Val-Thr-Asp-Thr-
191 Glu-Ala-Leu-Thr-Pro-Xxx-Pro-Asn-Xxx-Ser-
201 Pro-Glu-Leu-Gly-His-Arg-Gln-Asn-Ala-Gln-
211 Asp-Xxx-Glu-Val-Ile-Cys-Thr-Ser-Phe-Tyr-
221 Ser-Lys-Ile-His-Pro-Leu-Glu-Asn-Gly-Glu-
231 Ile-His-Ile-Ser-Leu-Ile-Asn-Gly-Arg-Pro-
241 Ser-Ala-Asp-Asp-Pro-Ser-Pro-Glu-Leu-Leu-
251 Glu-Phe-Thr-Ser-Ala-Arg-Tyr-Ile-Arg-Leu-
261 Arg-Phe-Gln-Arg-Ile-Arg-Thr-Leu-Asn-Ala-
271 Asn-Leu-Met-Met-Phe-Ala-His-Lys-Asp-Pro-
281 Arg-Glu-Ile-Asp-Pro-Ile-Val-Thr-Arg-Arg-
291 Tyr-Tyr-Tyr-Ser-Val-Lys-Asp-Ile-Ser-Val-
301 Gly-Gly-Met-Cys-Ile-Cys-Tyr-Gly-His-Ala-
311 Arg-Ala-Cys-Pro-Leu-Asp-Pro-Ala-Thr-Asn-
321 Lys-Ser-Arg-Cys-Glu-Cys-Glu-His-Asn-Thr-
331 Cys-Gly-Asp-Ser-Cys-Asp-Gln-Cys-Cys-Pro-
341 Gly-Phe-His-Gln-Lys-Pro-Tyr-Arg-Ala-Gly-
351 Thr-Phe-Leu-Thr-Lys-Thr-Glu-Cys-Glu-Ala-
361 Cys-Asn-Cys-His-Gly-Lys-Ala-Glu-Glu-Cys-
371 Tyr-Tyr-Asp-Glu-Asn-Val-Ala-Arg-Arg-Asn-
381 Leu-Ser-Leu-Asn-Ile-Arg-Gly-Lys-Tyr-Ile-
391 Gly-Gly-Gly-Val-Cys-Ile-Asn-Cys-Thr-Gln-
401 Asn-Thr-Ala-Gly-Ile-Asn-Cys-Glu-Thr-Cys-
411 Thr-Asp-Gly-Phe-Phe-Arg-Pro-Lys-Gly-Val-
421 Ser-Pro-Asn-Tyr-Pro-Arg-Pro-Cys-Gln-Pro-
431 Cys-His-Cys-Asp-Pro-Ile-Gly-Ser-Leu-Asn-
441 Glu-Val-Cys-Val-Lys-Asp-Glu-Lys-His-Ala-
451 Arg-Arg-Gly-Leu-Ala-Pro-Gly-Ser-Cys-His-
461 Cys-Lys-Thr-Gly-Phe-Gly-Gly-Val-Ser-Cys-
471 Asp-Arg-Cys-Ala-Arg-Gly-Tyr-Thr-Gly-Tyr-
481 Pro-Asp-Cys-Lys-Ala-Cys-Asn-Cys-Ser-Gly-
491 Leu-Gly-Ser-Lys-Asn-Glu-Asp-Pro-Cys-Phe-
501 Gly-Pro-Cys-Ile-Cys-Lys-Glu-Asn-Val-Glu-
511 Gly-Gly-Asp-Cys-Ser-Arg-Cys-Lys-Ser-Gly-
521 Phe-Phe-Asn-Leu-Gln-Glu-Asp-Asn-Trp-Lys-
531 Gly-Cys-Asp-Glu-Cys-Phe-Cys-Ser-Gly-Val-
541 Ser-Asn-Arg-Cys-Gln-Ser-Ser-Tyr-Trp-Thr-
551 Tyr-Gly-Lys-Ile-Gln-Asp-Met-Ser-Gly-Trp-

561 Tyr-Leu-Thr-Asp-Leu-Pro-Gly-Arg-Ile-Arg-
571 Val-Ala-Pro-Gln-Gln-Asp-Asp-Leu-Asp-Ser-
581 Pro-Gln-Gln-Ile-Ser-Ile-Ser-Asn-Ala-Glu-
591 Ala-Arg-Gln-Ala-Leu-Pro-His-Ser-Tyr-Tyr-
601 Trp-Ser-Ala-Pro-Ala-Pro-Tyr-Leu-Gly-Asn-
611 Lys-Leu-Pro-Ala-Val-Gly-Gly-Gln-Leu-Thr-
621 Phe-Thr-Ile-Ser-Tyr-Asp-Leu-Glu-Glu-Glu-
631 Glu-Glu-Asp-Thr-Glu-Arg-Val-Leu-Gln-Leu-
641 Met-Ile-Ile-Leu-Glu-Gly-Asn-Asp-Leu-Ser-
651 Ile-Ser-Thr-Ala-Gln-Asp-Glu-Val-Tyr-Leu-
661 His-Pro-Ser-Glu-Glu-His-Thr-Asn-Val-Leu-
671 Leu-Leu-Lys-Glu-Glu-Ser-Phe-Thr-Ile-His-
681 Gly-Thr-His-Phe-Pro-Val-Arg-Arg-Lys-Glu-
691 Phe-Met-Thr-Val-Leu-Ala-Asn-Leu-Lys-Arg-
701 Val-Leu-Leu-Gln-Ile-Thr-Tyr-Ser-Phe-Gly-
711 Met-Asp-Ala-Ile-Phe-Arg-Leu-Ser-Ser-Val-
721 Asn-Leu-Glu-Ser-Ala-Val-Ser-Tyr-Pro-Thr-

731 Asp-Gly-Ser-Ile-Ala-Ala-Val-Glu-Val-
741 Cys-Gln-Cys-Pro-Pro-Gly-Tyr-Thr-Gly-Ser-
751 Ser-Cys-Glu-Ser-Cys-Trip-Pro-Thr-Gly-His-Arg-
761 Arg-Val-Asn-Gly-Thr-Ile-Phe-Gly-Gly-Ile-
771 Cys-Glu-Pro-Cys-Gln-Cys-Phe-Gly-His-Ala-
781 Glu-Ser-Cys-Asp-Asp-Val-Thr-Gly-Glu-Cys-
791 Leu-Asn-Cys-Lys-Asp-His-Thr-Gly-Gly-Pro-
801 Tyr-Cys-Asp-Lys-Cys-Leu-Pro-Gly-Phe-Tyr-
811 Gly-Glu-Pro-Thr-Lys-Gly-Thr-Ser-Glu-Asp-
821 Cys-Gln-Pro-Cys-Ala-Cys-Pro-Leu-Asn-Ile-
831 Pro-Ser-Asn-Asn-Phe-Ser-Pro-Thr-Cys-His-
841 Leu-Asp-Arg-Ser-Leu-Gly-Leu-Ile-Cys-Asp-
851 Gly-Cys-Pro-Val-Gly-Tyr-Thr-Gly-Pro-Arg-
861 Cys-Glu-Arg-Cys-Ala-Glu-Gly-Tyr-Phe-Gly-
871 Gln-Pro-Ser-Val-Pro-Gly-Gly-Ser-Cys-Gln-
881 Pro-Cys-Gln-Cys-Asn-Asp-Asn-Leu-Asp-Phe-
891 Ser-Ile-Pro-Gly-Ser-Cys-Asp-Ser-Leu-Ser-
901 Gly-Ser-Cys-Leu-Ile-Cys-Lys-Pro-Gly-Thr-
911 Thr-Gly-Arg-Tyr-Cys-Glu-Leu-Cys-Ala-Asp-
921 Gly-Tyr-Phe-Gly-Asp-Ala-Val-Asp-Ala-Lys-
931 Asn-Cys-Gln-Pro-Cys-Arg-Cys-Asn-Ala-Gly-
941 Gly-Ser-Phe-Ser-Glu-Val-Cys-His-Ser-Gln-
951 Thr-Gly-Gln-Cys-Glu-Cys-Arg-Ala-Asn-Val-
961 Gln-Gly-Gln-Arg-Cys-Asp-Lys-Cys-Lys-Ala-
971 Gly-Thr-Phe-Gly-Leu-Gln-Ser-Ala-Arg-Gly-
981 Cys-Val-Pro-Cys-Asn-Cys-Asn-Ser-Phe-Gly-
991 Ser-Lys-Ser-Phe-Asp-Cys-Glu-Glu-Ser-Gly-
1001 Gln-Cys-Trip-Cys-Gln-Pro-Gly-Val-Thr-Gly-
1011 Lys-Lys-Cys-Asp-Arg-Cys-Ala-His-Gly-Tyr-
1021 Phe-Asn-Phe-Gln-Glu-Gly-Gly-Cys-Thr-Ala-
1031 Cys-Glu-Cys-Ser-His-Leu-Gly-Asn-Asn-Cys-
1041 Asp-Pro-Lys-Thr-Gly-Arg-Cys-Ile-Cys-Pro-
1051 Pro-Asn-Thr-Ile-Gly-Glu-Lys-Cys-Ser-Lys-
1061 Cys-Ala-Pro-Asn-Thr-Trip-Gly-His-Ser-Ile-
1071 Thr-Thr-Gly-Cys-Lys-Ala-Cys-Asn-Cys-Ser-
1081 Thr-Val-Gly-Ser-Leu-Asp-Phe-Gln-Cys-Asn-
1091 Val-Asn-Thr-Gly-Gln-Cys-Asn-Cys-His-Pro-
1101 Lys-Phe-Ser-Gly-Ala-Lys-Cys-Thr-Glu-Cys-
1111 Ser-Arg-Gly-His-Trip-Asn-Tyr-Pro-Arg-Cys-
1121 Asn-Leu-Cys-Asp-Cys-Phe-Leu-Pro-Gly-Thr-
1131 Asp-Ala-Thr-Thr-Cys-Asp-Ser-Glu-Thr-Lys-
1141 Lys-Cys-Ser-Cys-Ser-Asp-Gln-Thr-Gly-Gln-
1151 Cys-Thr-Cys-Lys-Val-Asn-Val-Glu-Gly-Ile-
1161 His-Cys-Asp-Arg-Cys-Arg-Pro-Gly-Lys-Phe-
1171 Gly-Leu-Asp-Ala-Lys-Asn-Pro-Leu-Gly-Cys-
1181 Ser-Ser-Cys-Tyr-Cys-Phe-Gly-Thr-Thr-Thr-
1191 Gln-Cys-Ser-Glu-Ala-Lys-Gly-Leu-Ile-Arg-
1201 Thr-Trip-Val-Thr-Leu-Lys-Ala-Glu-Gln-Thr-
1211 Ile-Leu-Pro-Leu-Val-Asp-Glu-Ala-Leu-Gln-
1221 His-Thr-Thr-Thr-Lys-Gly-Ile-Val-Phe-Gln-
1231 His-Pro-Glu-Ile-Val-Ala-His-Met-Asp-Leu-
1241 Met-Arg-Glu-Asp-Leu-His-Leu-Gly-Pro-Phe-
1251 Tyr-Trip-Lys-Leu-Pro-Glu-Gln-Phe-Glu-Gly-
1261 Lys-Lys-Leu-Met-Ala-Tyr-Gly-Gly-Lys-Leu-
1271 Lys-Tyr-Ala-Ile-Tyr-Phe-Glu-Ala-Arg-Glu-
1281 Glu-Thr-Gly-Phe-Ser-Thr-Tyr-Ile-Pro-Gln-
1291 Val-Ile-Ile-Arg-Gly-Gly-Thr-Pro-Thr-His-

1301 Ala-Arg-Ile-Ile-Val-Arg-His-Met-Ala-Ala-
1311 Pro-Leu-Ile-Gly-Gln-Leu-Thr-Arg-His-Glu-
1321 Ile-Glu-Met-Thr-Glu-Lys-Glu-Trip-Lys-Tyr-
1331 Tyr-Gly-Asp-Asp-Pro-Arg-Val-His-Arg-Thr-
1341 Val-Thr-Arg-Glu-Asp-Phe-Leu-Asp-Ile-Leu-
1351 Tyr-Asp-Ile-His-Tyr-Ile-Leu-Ile-Lys-Ala-
1361 Thr-Tyr-Gly-Asn-Phe-Met-Arg-Gln-Ser-Arg-
1371 Ile-Ser-Glu-Ile-Ser-Met-Glu-Val-Ala-Glu-
1381 Gln-Gly-Arg-Gly-Thr-Thr-Met-Thr-Pro-Phe-
1391 Ala-Asp-Leu-Ile-Glu-Lys-Cys-Asp-Cys-Pro-
1401 Leu-Gly-Tyr-Ser-Gly-Leu-Ser-Cys-Glu-Ala-
1411 Cys-Leu-Pro-Gly-Phe-Tyr-Arg-Leu-Arg-Ser-
1421 Gln-Pro-Gly-Gly-Arg-Thr-Pro-Gly-Pro-Thr-
1431 Leu-Gly-Thr-Cys-Val-Pro-Cys-Gln-Cys-Asn-
1441 Gly-His-Ser-Ser-Leu-Cys-Asp-Pro-Glu-Thr-
1451 Ser-Ile-Cys-Gln-Asn-Cys-Gln-His-His-Thr-
1461 Ala-Gly-Asp-Phe-Cys-Glu-Arg-Cys-Ala-Leu-
1471 Gly-Tyr-Tyr-Gly-Ile-Val-Lys-Gly-Leu-Pro-
1481 Asn-Asp-Cys-Gln-Gln-Cys-Ala-Cys-Pro-Leu-
1491 Ile-Ser-Ser-Ser-Asn-Asn-Phe-Ser-Pro-Ser-
1501 Cys-Val-Ala-Glu-Gly-Leu-Asp-Asp-Tyr-Arg-
1511 Cys-Thr-Ala-Cys-Pro-Arg-Gly-Tyr-Glu-Gly-
1521 Gln-Tyr-Cys-Glu-Arg-Cys-Ala-Pro-Gly-Tyr-
1531 Thr-Gly-Ser-Pro-Gly-Asn-Pro-Gly-Gly-Ser-
1541 Cys-Gln-Glu-Cys-Glu-Cys-Asp-Pro-Tyr-Gly-
1551 Ser-Leu-Pro-Val-Pro-Cys-Asp-Pro-Val-Thr-
1561 Gly-Phe-Cys-Thr-Cys-Arg-Pro-Gly-Ala-Thr-
1571 Gly-Arg-Lys-Cys-Asp-Gly-Cys-Lys-His-Trip-
1581 His-Ala-Arg-Glu-Gly-Trip-Glu-Cys-Val-Phe-
1591 Cys-Gly-Asp-Glu-Cys-Thr-Gly-Leu-Leu-Leu-
1601 Gly-Asp-Leu-Ala-Arg-Leu-Glu-Gln-Met-Val-
1611 Met-Ser-Ile-Asn-Leu-Thr-Gly-Pro-Leu-Pro-
1621 Ala-Pro-Tyr-Lys-Met-Leu-Tyr-Gly-Leu-Glu-
1631 Asn-Met-Thr-Gln-Glu-Leu-Lys-His-Leu-Leu-
1641 Ser-Pro-Gln-Arg-Ala-Pro-Glu-Arg-Leu-Ile-
1651 Gln-Leu-Ala-Glu-Gly-Asn-Leu-Asn-Thr-Leu-
1661 Val-Thr-Glu-Met-Asn-Glu-Leu-Thr-Arg-
1671 Ala-Thr-Lys-Val-Thr-Ala-Asp-Gly-Glu-Gln-
1681 Thr-Gly-Gln-Asp-Ala-Glu-Arg-Thr-Asn-Thr-
1691 Arg-Ala-Lys-Ser-Leu-Gly-Glu-Phe-Ile-Lys-
1701 Glu-Leu-Ala-Arg-Asp-Ala-Glu-Ala-Val-Asn-
1711 Gly-Lys-Ala-Ile-Lys-Leu-Asn-Glu-Thr-Leu-
1721 Gly-Thr-Arg-Asp-Glu-Ala-Phe-Glu-Arg-Asn-
1731 Leu-Glu-Gly-Leu-Gln-Lys-Glu-Ile-Asp-Gln-
1741 Met-Ile-Lys-Glu-Leu-Arg-Arg-Lys-Asn-Leu-
1751 Glu-Thr-Gln-Lys-Glu-Ile-Ala-Glu-Asp-Glu-
1761 Leu-Val-Ala-Ala-Glu-Ala-Leu-Leu-Lys-Lys-
1771 Val-Lys-Lys-Leu-Phe-Gly-Glu-Ser-Arg-Gly-
1781 Glu-Asn-Glu-Glu-Met-Glu-Lys-Asp-Leu-Arg-
1791 Gly-Lys-Leu-Ala-Asp-Tyr-Lys-Asn-Lys-Val-
1801 Asp-Asp-Ala-Trip-Asp-Leu-Leu-Arg-Glu-Ala-
1811 Thr-Asp-Lys-Ile-Arg-Glu-Ala-Asn-Met-Thr-Ala-
1821 Phe-Ala-Val-Asn-Gln-Lys-Asn-Met-Thr-Ala-
1831 Leu-Glu-Lys-Lys-Lys-Glu-Ala-Val-Glu-Ser-
1841 Gly-Lys-Arg-Gln-Ile-Glu-Asn-Thr-Leu-Lys-
1851 Glu-Gly-Asn-Asp-Ile-Leu-Asp-Glu-Ala-Asn-
1861 Arg-Leu-Ala-Asp-Glu-Ile-Asn-Ser-Ile-Ile-

1871 Asp-Tyr-Val-Glu-Asp-Ile-Gln-Thr-Lys-Leu-
1881 Pro-Pro-His-Ser-Glu-Glu-Leu-Asn-Asp-Lys-
1891 Ile-Asp-Asp-Leu-Ser-Gln-Glu-Ile-Lys-Asp-
1901 Arg-Lys-Leu-Ala-Glu-Lys-Val-Ser-Gln-Ala-
1911 Glu-Ser-His-Ala-Ala-Gln-Leu-Asn-Asp-Ser-
1921 Ser-Ala-Val-Leu-Asp-Gly-Ile-Leu-Asp-Glu-
1931 Ala-Lys-Asn-Ile-Ser-Phe-Asn-Ile-Thr-Ala-
1941 Ala-Phe-Lys-Ala-Tyr-Ser-Asn-Ile-Lys-Asp-
1951 Tyr-Ile-Asp-Glu-Ala-Glu-Lys-Val-Ala-Lys-
1961 Glu-Ala-Lys-Asp-Leu-Ala-His-Glu-Ala-Thr-
1971 Lys-Leu-Ala-Thr-Gly-Pro-Arg-Gly-Leu-Leu-
1981 Lys-Glu-Asp-Ala-Lys-Gly-Cys-Leu-Gln-Lys-
1991 Ser-Phe-Arg-Ile-Leu-Asn-Glu-Ala-Lys-Lys-
2001 Leu-Ala-Asn-Asp-Val-Lys-Glu-Asn-Glu-Asp-
2011 His-Leu-Asn-Gly-Leu-Lys-Thr-Ala-Glu-
2021 Asn-Ala-Asp-Ala-Arg-Asn-Gly-Asp-Ile-Glu-
2031 Arg-Thr-Leu-Asn-Asp-Thr-Leu-Gly-Lys-Leu-
2041 Ser-Ala-Ile-Pro-Asn-Asp-Thr-Ala-Ala-Lys-
2051 Leu-Gln-Ala-Val-Lys-Asp-Lys-Ala-Arg-Gln-
2061 Ala-Asn-Asp-Thr-Ala-Lys-Asp-Val-Leu-Ala-
2071 Gln-Ile-Thr-Glu-Leu-His-Gln-Asn-Leu-Asp-
2081 Gly-Leu-Lys-Lys-Asn-Tyr-Asn-Lys-Leu-Ala-
2091 Asp-Ser-Val-Ala-Lys-Thr-Asn-Ala-Val-Val-
2101 Lys-Asp-Pro-Ser-Lys-Asn-Lys-Ile-Ile-Ala-
2111 Asp-Ala-Asp-Ala-Thr-Val-Lys-Asn-Leu-Glu-
2121 Gln-Glu-Ala-Asp-Arg-Leu-Ile-Asp-Lys-Leu-
2131 Lys-Pro-Ile-Lys-Glu-Leu-Glu-Asp-Asn-Leu-
2141 Lys-Lys-Asn-Ile-Ser-Glu-Ile-Lys-Glu-Leu-
2151 Ile-Asn-Gln-Ala-Arg-Lys-Gln-Ala-Asn-Ser-
2161 Ile-Lys-Val-Ser-Val-Ser-Ser-Gly-Gly-Asp-
2171 Cys-Ile-Arg-Thr-Tyr-Lys-Pro-Glu-Ile-Lys-
2181 Lys-Gly-Ser-Tyr-Asn-Asn-Ile-Val-Val-Asn-
2191 Val-Lys-Thr-Ala-Val-Ala-Asp-Asn-Leu-Leu-
2201 Phe-Tyr-Leu-Gly-Ser-Ala-Lys-Phe-Ile-Asp-
2211 Phe-Leu-Ala-Ile-Glu-Met-Arg-Lys-Gly-Lys-
2221 Val-Ser-Phe-Leu-Trp-Asp-Val-Gly-Ser-Gly-
2231 Val-Gly-Arg-Val-Glu-Tyr-Pro-Asp-Leu-Thr-
2241 Ile-Asp-Asp-Ser-Tyr-Trp-Tyr-Arg-Ile-Ile-
2251 Ala-Ser-Arg-Thr-Gly-Arg-Asn-Gly-Thr-Ile-
2261 Ser-Val-Arg-Ala-Leu-Asp-Gly-Pro-Lys-Ala-
2271 Ser-Ile-Val-Pro-Ser-Thr-His-His-Ser-Thr-
2281 Ser-Pro-Pro-Gly-Tyr-Thr-Ile-Leu-Asp-Val-
2291 Asp-Ala-Asn-Ala-Met-Leu-Phe-Val-Gly-Gly-
2301 Leu-Thr-Gly-Lys-Leu-Lys-Lys-Ala-Asp-Ala-
2311 Val-Arg-Val-Ile-Thr-Phe-Thr-Gly-Cys-Met-
2321 Gly-Glu-Thr-Tyr-Phe-Asp-Asn-Lys-Pro-Ile-
2331 Gly-Leu-Tyr-Asn-Phe-Arg-Glu-Lys-Glu-Gly-
2341 Asp-Cys-Lys-Gly-Cys-Thr-Val-Ser-Pro-Gln-
2351 Val-Glu-Asp-Ser-Glu-Gly-Thr-Ile-Gln-Phe-
2361 Asp-Gly-Glu-Gly-Tyr-Ala-Ile-Gly-Gln-Ala-
2371 Arg-Pro-Ile-Arg-Trp-Tyr-Pro-Asn-Ile-Ser-
2381 Thr-Val-Met-Phe-Lys-Phe-Arg-Thr-Phe-Ser-
2391 Ser-Ser-Ala-Leu-Leu-Met-Tyr-Leu-Ala-Thr-
2401 Arg-Asp-Leu-Arg-Asp-Phe-Met-Ser-Val-Glu-
2411 Leu-Thr-Asp-Gly-His-Ile-Lys-Val-Ser-Tyr-
2421 Asp-Leu-Gly-Ser-Gly-Met-Ala-Ser-Val-Val-
2431 Ser-Asn-Gln-Asn-His-Asn-Asp-Gly-Lys-Trp-

2441 Lys-Ser-Phe-Thr-Leu-Ser-Arg-Ile-Gln-Lys-
2451 Gln-Ala-Asn-Ile-Ser-Ile-Val-Asp-Ile-Asp-
2461 Thr-Asn-Gln-Glu-Glu-Asn-Ile-Ala-Thr-Ser-
HITS AT: 544-551

L7 ANSWER 7 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN ABC5828 Protein DGENE

TI New isolated polynucleotide and encoded polypeptides, useful in
diagnostics, forensics, gene mapping, identification of mutations
responsible for genetic disorders or other traits and to assess
biodiversity -

IN Dmanac R T; Liu C; Tang Y T
PA (HYSE-N) HYSEQ INC. 103p***
PI ***WO 2001075067 A2 20011011
AI WO 2001-US8631 20010330
PRAI US 2000-3540217 20000331
US 2000-649167 20000823

DT Patent
LA English
OS 2001-639362 (73)
CR N-SPDS: AAS80015
DESC Novel human diagnostic protein #15819.

AN ASG15828 Protein DGENE
AA 21 A; 6 R; 4 N; 10 D; 0 B; 3 C; 6 Q; 7 E; 0 Z; 14 G; 6 H; 12 I;
15 L; 3 K; 4 M; 5 F; 5 P; 18 S; 6 T; 2 W; 5 Y; 12 V; 0 Others
164

SEQ3

1 Ile-Arg-Ala-Gln-Asn-Gly-Ser-Pro-Tyr-Leu-
11 Ser-Phe-Leu-Val-Asp-Ser-Val-Cys-Val-Leu-
21 Lys-Ala-Cys-Val-Asp-Ala-Val-Met-Arg-Ala-
31 Gly-Ile-Cys-Ser-Val-Ser-Tyr-Trp-Gln-Tyr-
41 Gln-Ser-Gly-Val-Gly-Ala-Asn-Ser-Ser-Ala-
51 Leu-Ser-Gly-Phe-Ser-Gln-Gly-Ala-Ile-Met-
61 Met-Leu-Glu-Ser-Ile-Lys-Ala-Glu-Pro-Gly-
71 Leu-Ala-Ser-Arg-Val-Ile-Ala-Phe-Asn-Gly-
81 Arg-Tyr-Ser-Ser-Leu-Pro-Glu-Thr-Ala-Ser-
91 Thr-Ala-Thr-Thr-Ile-His-Leu-Ile-His-Gly-
101 Gly-Glu-Asp-Pro-Val-Ile-Asp-Leu-Ala-His-
111 Ala-Val-Ala-Ala-Gln-Glu-Ala-Leu-Ile-Ser-
121 Ala-Gly-Gly-Asp-Val-Thr-Leu-Asp-Ile-Val-
131 Glu-Asp-Leu-Gly-His-Ala-Ile-Asp-Asn-Arg-
141 Ser-Met-Gln-Phe-Ala-Leu-Asp-His-Leu-Arg-
151 Tyr-Thr-Ile-Pro-Lys-His-Tyr-Phe-Asp-Glu-
161 Ala-Leu-Ser-Gly

HITS AT: 33-40

L7 ANSWER 8 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN

TI New isolated polynucleotide and encoded polypeptides, useful in
diagnostics, forensics, gene mapping, identification of mutations
responsible for genetic disorders or other traits and to assess
biodiversity -

IN Dmanac R T; Liu C; Tang Y T
PA (HYSE-N) HYSEQ INC. 103p***
PI ***WO 2001075067 A2 20011011
AI WO 2001-US8631 20010330

PRAI US 2000-540217 20000331
 US 2000-649167 20000823
 DT Patent
 LA English
 OS 2001-639362 [73]
 CR N-PSDB: AAS66409
 DESC Novel human diagnostic protein #2213.
 AN AAG62222 Protein DGENE
 AA 21 A; 12 R; 12 N; 10 D; 0 B; 6 C; 13 Q; 16 E; 0 Z; 10 G; 14 H; 8 I;
 34 L; 10 K; 4 M; 6 F; 21 P; 29 S; 13 T; 5 W; 9 Y; 20 V; 0 Others
 SOL 273
 SEQ3
 1 Met-Asp-Arg-Tyr-Gln-Glu-His-Thr-Ser-Arg-
 11 Ala-Leu-Thr-Gln-Lys-Ala-Gly-Ser-Gln-Asp-
 21 Tyr-Glu-Ala-Val-Ala-Ser-Pro-Pro-Ala-Ala-
 31 Leu-Val-His-Leu-Cys-His-Glu-Ala-Val-Ser-
 41 His-His-Leu-Gln-Cys-Ser-Asp-Glu-Thr-Tip-
 51 Val-Phe-Leu-Leu-His-Pro-Leu-Leu-Ile-Glu-
 61 Trp-Gln-Asn-Thr-Lys-Pro-Ser-Cys-Ile-
 71 Thr-Gln-Leu-Ala-Leu-Gln-Ser-Pro-Ser-Pro-
 81 Phe-Gly-Phe-Ser-Val-Ile-Leu-Phe-Asp-Glu-
 91 Gln-Asn-Asn-Asp-Leu-Lys-Glu-Leu-Ala-His-
 101 Leu-Ala-Ser-Leu-Pro-Phe-Val-Ile-Tyr-Val-
 111 Met-Asn-Lys-Arg-Ser-Asp-Ser-Lys-Lys-Val-
 121 Ser-Leu-His-Leu-Tyr-Gln-Ser-Asn-Gln-Ser-
 131 Gly-Leu-Tyr-Leu-Ser-His-Ala-Leu-Ser-His-
 141 Val-Cys-Leu-Thr-Glu-Thr-Lys-Tip-Ser-Cys-
 151 Gly-Thr-Asn-Met-Val-Val-Gly-Arg-Val-
 161 Ser-Pro-Gln-Pro-His-Pro-His-Ser-Ile-Asp-
 171 Lys-Arg-Gln-Lys-Ser-Gly-Arg-Glu-Val-Tyr-
 181 Arg-Glu-Met-Asn-Lys-Ser-Asn-Asn-Tyr-Ile-
 191 Glu-Arg-Arg-Val-Leu-Phe-Ser-Leu-Thr-Leu-
 201 Leu-Val-Thr-Pro-Ser-Ser-Arg-Pro-Leu-Asn-
 211 Pro-Leu-Leu-Leu-Thr-His-Ile-Gly-Ser-Tyr-
 221 Leu-Thr-Ala-Pro-Ser-Pro-Ile-Asn-His-Pro-
 231 Arg-Ala-Glu-Glu-Cys-Gly-Leu-Thr-Ala-Ala-
 241 Asp-Tip-Gln-Ala-Ala-Pro-Pro-Val-Ala-Leu-
 251 Val-Arg-Asp-Pro-Leu-Gly-Glu-Ala-Ser-Tip-
 261 Ala-Pro-Glu-Ser-Gly-Ala-Asp-Val-Glu-Asn-
 271 Leu-Tyr-Val
 HITS AT: 45-52
 L7 ANSWER 9 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAG5891 protein DGENE
 TI Isolated polypeptides, which may be peptide hormones, which are
 identified by high throughput genome-based biology which identifies genes
 and gene products as therapeutic targets for treatment of diseases such
 as diabetes and cancer -
 IN Agarwal P; Murdoch P R; Rizvi S K; Smith R F; Xiang Z; Kabanick K S; Lai Y
 PA (SMK) SMITHKLINE BEECHAM CORP.
 PI ***WO 2001072961 A2 20011004 99p***
 AI WO 2001-US9226 20010322
 PRAI US 2000-192158P 20000324
 US 2000-192668P 20000328

DT US 2000-200166P 20000427
 Patent
 LA English
 OS 2001-639223 [73]
 CR N-PSDB: AAI67181
 DESC Amino acid sequence of GSK gene Id 74552.
 AN AAG5891 protein DGENE
 AA 15 A; 5 R; 15 N; 11 D; 0 B; 9 C; 7 Q; 10 E; 0 Z; 9 G; 7 H; 22 I;
 23 L; 13 K; 7 M; 6 F; 16 P; 17 S; 13 T; 4 W; 14 Y; 20 V; 0 Others
 SOL 243
 SEQ3
 1 Met-Thr-Glu-Lys-Ser-Tip-Asn-Phe-Leu-Ser-
 11 Met-Leu-Leu-Phe-Pro-Val-Ala-Leu-Ala-Phe-
 21 Asn-Pro-Asp-Tyr-Thr-Val-Ser-Ser-Thr-Pro-
 31 Pro-Tyr-Leu-Val-Tyr-Leu-Lys-Ser-Asp-Tyr-
 41 Leu-Pro-Cys-Ala-Gly-Val-Leu-Ile-His-Pro-
 51 Leu-Tip-Val-Ile-Thr-Ala-Ala-His-Cys-Asn-
 61 Leu-Pro-Lys-Leu-Arg-Val-Ile-Leu-Gly-Val-
 71 Thr-Ile-Pro-Ala-Asp-Ser-Asn-Glu-Lys-His-
 81 Leu-Gln-Val-Ile-Gly-Tyr-Glu-Lys-Met-Ile-
 91 His-His-Pro-His-Phe-Ser-Val-Thr-Ser-Ile-
 101 Asp-His-Asp-Ile-Met-Leu-Ile-Lys-Leu-Lys-
 111 Thr-Glu-Ala-Glu-Leu-Asn-Asp-Tyr-Val-Lys-
 121 Leu-Ala-Asn-Leu-Pro-Tyr-Gln-Thr-Ile-Ser-
 131 Glu-Asn-Thr-Met-Cys-Ser-Val-Ser-Thr-Tip-
 141 Ser-Tyr-Asn-Val-Cys-Asp-Ile-Tyr-Lys-Glu-
 151 Pro-Asp-Ser-Leu-Gln-Thr-Val-Asn-Ile-Ser-
 161 Val-Ile-Ser-Lys-Pro-Gln-Cys-Arg-Asp-Ala-
 171 Tyr-Lys-Thr-Tyr-Asn-Ile-Thr-Glu-Asn-Met-
 181 Leu-Cys-Val-Gly-Ile-Val-Pro-Gly-Arg-Arg-
 191 Gln-Pro-Cys-Lys-Glu-Val-Ser-Ala-Ala-Pro-
 201 Ala-Ile-Cys-Asn-Gly-Met-Leu-Gln-Gly-Ile-
 211 Leu-Ser-Phe-Ala-Asp-Gly-Cys-Val-Leu-Arg-
 221 Ala-Asp-Val-Gly-Ile-Tyr-Ala-Lys-Ile-Phe-
 231 Tyr-Tyr-Ile-Pro-Tip-Ile-Glu-Asn-Val-Ile-
 241 Gln-Asn-Asn
 HITS AT: 135-142
 L7 ANSWER 10 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAG5890 protein DGENE
 TI Isolated polypeptides, which may be peptide hormones, which are
 identified by high throughput genome-based biology which identifies genes
 and gene products as therapeutic targets for treatment of diseases such
 as diabetes and cancer -
 IN Agarwal P; Murdoch P R; Rizvi S K; Smith R F; Xiang Z; Kabanick K S; Lai Y
 PA (SMK) SMITHKLINE BEECHAM PLC.
 PI ***WO 2001072961 A2 20011004 99p***
 AI WO 2001-US9226 20010322
 PRAI US 2000-192158P 20000324
 US 2000-192668P 20000328
 US 2000-200166P 20000427
 DT Patent
 LA English
 OS 2001-639223 [73]

CR N-PSDB: AA167180
DESC Amino acid sequence of GSK gene Id 74552.
AN AAG55890 protein DGENE
AA 16 A; 5 R; 15 N; 11 D; 0 B; 9 C; 7 Q; 9 E; 0 Z; 9 G; 7 H; 23 I;
25 L; 13 K; 6 M; 5 F; 15 P; 15 S; 13 T; 4 W; 14 Y; 20 V; 0 Others
SEQ3 241

1 Met-Lys-Phe-Ile-Leu-Leu-Tip-Ala-Leu-Leu-
11 Asn-Leu-Thr-Val-Ala-Leu-Ala-Phe-Asn-Pro-
21 Asp-Tyr-Thr-Val-Ser-Ser-Thr-Pro-Pro-Tyr-
31 Leu-Val-Tyr-Leu-Lys-Ser-Asp-Tyr-Leu-Pro-
41 Cys-Ala-Gly-Val-Leu-Ile-His-Pro-Leu-Tip-
51 Val-Ile-Thr-Ala-Ala-His-Cys-Asn-Leu-Pro-
61 Lys-Leu-Arg-Val-Ile-Leu-Gly-Val-Thr-Ile-
71 Pro-Ala-Asp-Ser-Asn-Glu-Lys-His-Leu-Glu-
81 Val-Ile-Gly-Tyr-Glu-Lys-Met-Ile-His-His-
91 Pro-His-Phe-Ser-Val-Thr-Ser-Ile-Asp-His-
101 Asp-Ile-Met-Leu-Ile-Lys-Leu-Lys-Thr-Glu-
111 Ala-Glu-Leu-Asn-Asp-Tyr-Val-Lys-Leu-Ala-
121 Asn-Leu-Pro-Tyr-Glu-Thr-Ile-Ser-Glu-Asn-
131 Thr-Met-Cys-Ser-Val-Ser-Thr-Tip-Ser-Tyr-
141 Asn-Val-Cys-Asp-Ile-Tyr-Lys-Glu-Pro-Asp-
151 Ser-Leu-Gln-Thr-Val-Asn-Ile-Ser-Val-Ile-
161 Ser-Lys-Pro-Gln-Cys-Arg-Asp-Ala-Tyr-Lys-
171 Thr-Tyr-Asn-Ile-Thr-Glu-Asn-Met-Leu-Cys-
181 Val-Gly-Ile-Val-Pro-Gly-Arg-Arg-Gln-Pro-
191 Cys-Lys-Glu-Val-Ser-Ala-Ala-Pro-Ala-Ile-
201 Cys-Asn-Gly-Met-Leu-Gln-Gly-Ile-Leu-Ser-
211 Phe-Ala-Asp-Gly-Cys-Val-Leu-Arg-Ala-Asp-
221 Val-Gly-Ile-Tyr-Ala-Lys-Ile-Phe-Tyr-Tyr-
231 Ile-Pro-Tip-Ile-Glu-Asn-Val-Ile-Gln-Asn-
241 Asn

HITS AT: 133-140

AN ANSWER 11 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STM
L7 AAB47569 Protein DGENE
TI New polypeptide for treating gastrointestinal, cardiovascular and
autoimmune disorders, comprises novel human proteases (PRTS) and
polynucleotides -
IN Yue H; Lu D A M; Policky J L; Deleage A M; Tribouley C M; Khan F A;
Au-Young J; Bandman O; Lai P; Borowsky M L; Ganchi A R; Hillman J L; Tang
Y T; Burford N; Baughn M R; Nguyen D B; Yao W G; Walla N K; He A; Hafalia
A; Lu Y; Patterson C
PA (INCY-N) INCYTE GENOMICS INC.
PI ***WO 2001/071004 A2 20010927 129p***
AI WO 2001-US8441 20010316
PRAI US 2000-190708P 20000317
US 2000-193182P 20000330
US 2000-197086P 20000414
US 2000-199022P 20000420
US 2000-200227P 20000428
DT Patent
LA English
OS 2001-611509 [70]
CR N-PSDB: AAB43522
DESC Protease PRTS-11.

AN AAB47569 Protein DGENE
AA 16 A; 5 R; 15 N; 12 D; 0 B; 9 C; 7 Q; 9 E; 0 Z; 10 G; 7 H; 24 I;
27 L; 13 K; 6 M; 6 F; 15 P; 18 S; 14 T; 4 W; 13 Y; 20 V; 0 Others
SEQ3 250

1 Met-Lys-Phe-Ile-Leu-Leu-Tip-Ala-Leu-Leu-
11 Asn-Leu-Thr-Val-Ala-Leu-Ala-Phe-Asn-Pro-
21 Asp-Tyr-Thr-Val-Ser-Ser-Thr-Pro-Pro-Tyr-
31 Leu-Val-Tyr-Leu-Lys-Ser-Asp-Tyr-Leu-Pro-
41 Cys-Ala-Gly-Val-Leu-Ile-His-Pro-Leu-Tip-
51 Val-Ile-Thr-Ala-Ala-His-Cys-Asp-Leu-Pro-
61 Lys-Leu-Arg-Val-Ile-Leu-Gly-Val-Thr-Ile-
71 Pro-Ala-Asp-Ser-Asn-Glu-Lys-His-Leu-Gln-
81 Val-Ile-Gly-Tyr-Glu-Lys-Met-Ile-His-His-
91 Pro-His-Phe-Ser-Val-Thr-Ser-Ile-Asp-His-
101 Asp-Ile-Met-Leu-Ile-Lys-Leu-Lys-Thr-Glu-
111 Ala-Glu-Leu-Asn-Asp-Tyr-Val-Lys-Leu-Ala-
121 Asn-Leu-Pro-Tyr-Gln-Thr-Ile-Ser-Glu-Asn-
131 Thr-Met-Cys-Ser-Val-Ser-Thr-Tip-Ser-Tyr-
141 Asn-Val-Cys-Asp-Ile-Gly-Ser-Leu-Thr-Ser-
151 Ile-Phe-Ser-Leu-Asp-Lys-Glu-Pro-Asp-Ser-
161 Leu-Gln-Thr-Val-Asn-Ile-Ser-Val-Ile-Ser-
171 Lys-Pro-Gln-Cys-Arg-Asp-Ala-Tyr-Lys-Thr-
181 Tyr-Asn-Ile-Thr-Glu-Asn-Met-Leu-Cys-Val-
191 Gly-Ile-Val-Pro-Gly-Arg-Arg-Gln-Pro-Cys-
201 Lys-Glu-Val-Ser-Ala-Ala-Pro-Ala-Ile-Cys-
211 Asn-Gly-Met-Leu-Gln-Gly-Ile-Leu-Ser-Phe-
221 Ala-Asp-Gly-Cys-Val-Leu-Arg-Ala-Asp-Val-
231 Gly-Ile-Tyr-Ala-Lys-Ile-Phe-Tyr-Tyr-Ile-
241 Pro-Tip-Ile-Glu-Asn-Val-Ile-Gln-Asn-Asn

HITS AT: 133-140

AN ANSWER 12 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STM
L7 AAB47569 Protein DGENE
TI New polypeptide for treating gastrointestinal, cardiovascular and
autoimmune disorders, comprises novel human proteases (PRTS) and
polynucleotides -
IN Yue H; Lu D A M; Policky J L; Deleage A M; Tribouley C M; Khan F A;
Au-Young J; Bandman O; Lai P; Borowsky M L; Ganchi A R; Hillman J L; Tang
Y T; Burford N; Baughn M R; Nguyen D B; Yao W G; Walla N K; He A; Hafalia
A; Lu Y; Patterson C
PA (INCY-N) INCYTE GENOMICS INC.
PI ***WO 2001/071004 A2 20010927 129p***
AI WO 2001-US8441 20010316
PRAI US 2000-190708P 20000317
US 2000-193182P 20000330
US 2000-197086P 20000414
US 2000-199022P 20000420
US 2000-200227P 20000428
DT Patent
LA English
OS 2001-611509 [70]
CR N-PSDB: AAB43522
DESC Protease PRTS-11.

TI Isolated nucleic acids and polypeptides, useful for preventing diagnosing and treating e.g. leukaemia, inflammation and immune disorders -

IN Tang T; Liu C; Drmanac R T
(HSE-N) HSEQ INC.
P1 **WO 2001064835 A2 20010907 999P***
AI WO 2001-US4927 20010226
PRAI US 2000-515126 20000228
US 2000-577409 20000518

DT Patent
LA English
OS 2001-514638 [56]
CR N-PSDB: AA190985
DESC Human polypeptide SEQ ID NO 24946.
AN AA011054 Protein DGENE
AA 6 A; 6 R; 2 N; 3 D; 0 B; 4 G; 4 Q; 4 E; 0 Z; 11 G; 7 H; 3 I; 16 L; 3 K; 1 M; 6 F; 7 P; 12 S; 10 T; 4 W; 2 Y; 9 V; 1 Others
SOL 121.

SEQ3
1 Leu-Val-Glu-Met-Gly-Phe-Leu-Arg-Val-Arg-
11 Gln-Asn-Gly-Leu-Tyr-Leu-Leu-Thr-Ser-Xxx-
21 Ser-Ala-Arg-Leu-Gly-Leu-Ser-Lys-Cys-Tip-
31 Asp-Tyr-Arg-Arg-Glu-Pro-Pro-Cys-Pro-Ala-
41 Ser-Asp-Tip-Val-Phe-Ile-Leu-Thr-Ser-Pro-
51 Leu-Ile-His-Ala-Leu-Asp-Gly-Lys-Glu-His-
61 Thr-His-Thr-His-Thr-His-Thr-His-Thr-His-
71 Thr-Gly-Leu-Gly-Ile-Cys-Gln-Ser-Ser-Leu-
81 Gly-Lys-Gln-Ser-Gly-Gly-Tip-Gly-Tip-Leu-
91 Ser-Ala-Asn-Arg-Gly-Gln-Phe-Ser-Pro-Phe-
101 Ala-Val-Cys-Leu-Val-Val-Ser-Phe-Leu-Pro-
111 Gln-Val-Pro-Val-Thr-Ser-Ala-Leu-Phe-
121 Thr

HITS AT: 38-45

L7 ANSWER 13 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
TI Isolated, secretory and transmembrane PRO polypeptide used to detect other PRO polypeptides, link bioactive molecules to cells expressing PRO polypeptides, and detect the presence of mammalian tumours e.g. lung, breast, prostate, cervical -
IN Baker K P; Beresini M; DeForge L; Desnoyers L; Filvaroff E; Gao W; Gerlitsen M E; Goddard A; Godowski P J; Gurney A L; Sharwood S; Smith V; Stewart T A; Tumas D; Watanabe C K; Wood W I; Zhang Z
PRAI (GERH) GENE
P1 **WO 2001040466 A2 20010607 813P***
AI WO 2000-US32678 20001201
PRAI WO 2000-US28301 19991201
WO 1999-US28634 19991201
WO 1999-US28551 19991202
WO 1999-US28564 19991202
US 1999-US28565 19991202
US 1999-170262 19991209
WO 1999-US30095 19991216
WO 1999-US30911 19991220
WO 1999-US30999 19991220
WO 1999-US31243 19991230

WT 2000-US277 20000106
WO 2000-US376 20000106
WO 2000-US3565 20000211
WO 2000-US4341 20000218
WO 2000-US4342 20000218
WO 2000-US4414 20000222
WO 2000-US4914 20000224
WO 2000-US5004 20000224
WO 2000-US5601 20000301
WO 2000-US7377 20000320
WO 2000-US7532 20000321
WO 2000-US8439 20000330
WO 2000-US13705 20000517
WO 2000-US14042 20000522
WO 2000-US14941 20000530
WO 2000-US15264 20000602
WO 2000-US30873 20001110

DT Patent
LA English
OS 2001-408281 [43]
CR N-PSDB: AA521367
DESC Human PRO6030 Polypeptide sequence.
AN AAU12295 Protein DGENE
AA 16 A; 5 R; 15 N; 11 D; 0 B; 9 G; 7 Q; 9 E; 0 Z; 9 G; 7 H; 23 I; 25 L; 13 K; 6 M; 5 F; 15 P; 15 S; 13 T; 4 W; 14 Y; 20 V; 0 Others
SOL 241

SEQ3
1 Met-Lys-Phe-Ile-Leu-Leu-Tip-Ala-Leu-Leu-
11 Asn-Leu-Thr-Val-Ala-Leu-Ala-Phe-Asn-Pro-
21 Asp-Tyr-Thr-Val-Ser-Ser-Thr-Pro-Tyr-
31 Leu-Val-Tyr-Leu-Lys-Ser-Asp-Tyr-Leu-Tip-
41 Cys-Ala-Gly-Val-Leu-Ile-His-Pro-Leu-Tip-
51 Val-Ile-Thr-Ala-Ala-His-Cys-Asn-Leu-Pro-
61 Lys-Leu-Arg-Val-Ile-Leu-Gly-Val-Thr-Ile-
71 Pro-Ala-Asp-Ser-Asn-Glu-Lys-His-Leu-Gln-
81 Val-Ile-Gly-Tyr-Glu-Lys-Met-Ile-His-His-
91 Pro-His-Phe-Ser-Val-Thr-Ser-Ile-Asp-His-
101 Asp-Ile-Met-Leu-Ile-Lys-Leu-Lys-Thr-Glu-
111 Ala-Glu-Leu-Asn-Asp-Tyr-Val-Lys-Leu-Ala-
121 Asn-Leu-Pro-Tyr-Gln-Thr-Ile-Ser-Glu-Asn-
131 Thr-Met-Cys-Ser-Val-Ser-Thr-Tip-Ser-Tyr-
141 Asn-Val-Cys-Asp-Ile-Tyr-Lys-Glu-Pro-Asp-
151 Ser-Leu-Gln-Thr-Val-Asn-Ile-Ser-Val-Ile-
161 Ser-Lys-Pro-Gln-Cys-Arg-Asp-Ala-Tyr-Lys-
171 Thr-Tyr-Asn-Ile-Thr-Glu-Asn-Met-Leu-Cys-
181 Val-Gly-Ile-Val-Pro-Gly-Arg-Arg-Gln-Pro-
191 Cys-Lys-Glu-Val-Ser-Ala-Ala-Ile-Ile-
201 Cys-Asn-Gly-Met-Leu-Gln-Gly-Ile-Leu-Ser-
211 Phe-Ala-Asp-Gly-Cys-Val-Leu-Arg-Glu-Asp-
221 Val-Gly-Ile-Tyr-Ala-Lys-Ile-Phe-Tyr-Tyr-
231 Ile-Pro-Tip-Ile-Glu-Asn-Val-Ile-Gln-Asn-
241 Asn

HITS AT: 133-140

L7 ANSWER 14 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN AA00334 Protein DGENE

TI Novel membrane bound protein, Zs1g60 isolated from pituitary gland, and anti-Zs1g60 antibodies which are useful for identifying or isolating cells of pituitary gland and to detect size and morphology of the gland -
 IN Presnell S R ZYMOGENETICS INC.
 PA (Zymo) ***WO 2001023567 A1 20010405 89p***
 PI WO 2000-US26664 20000928
 AI US 1999-156367 19990928
 PRAI Patent
 DT English
 LA 2001-266161 [27]
 OS Human membrane-bound protein-60 alternative mature extracellular portion.
 DESC AAED00334 Protein DGENE
 AN 17 A; 4 R; 7 N; 5 D; 0 B; 10 C; 5 Q; 5 E; 0 Z; 13 G; 6 H; 5 I; 20 L; 2 K; 4 M; 5 F; 10 P; 10 S; 8 T; 3 W; 7 Y; 14 V; 0 Others
 SOL 160
 SEQ3 1 Ile-Tyr-Thr-Val-Tyr-Ala-Met-Ala-Val-Met-
 11 Asn-His-His-Val-Cys-Pro-Val-Glu-Asn-Tyr-
 21 Ser-Tyr-Asn-Glu-Ser-Cys-Pro-Pro-Asp-Pro-
 31 Ala-Glu-Gln-Gly-Gly-Pro-Lys-Thr-Cys-Cys-
 41 Thr-Leu-Asp-Asp-Val-Pro-Leu-Ile-Ser-Lys-
 51 Cys-Gly-Ser-Tyr-Pro-Pro-Glu-Ser-Cys-Leu-
 61 Phe-Ser-Leu-Ile-Gly-Asn-Met-Gly-Ala-Phe-
 71 Met-Val-Ala-Leu-Ile-Cys-Leu-Leu-Arg-Tyr-
 81 Gly-Gln-Leu-Leu-Gln-Ser-Arg-His-Ser-
 91 Tyr-Val-Asn-Thr-Thr-Ala-Leu-Ile-Thr-Gly-
 101 Cys-Thr-Asn-Ala-Ala-Gly-Leu-Leu-Val-Val-
 111 Gly-Asp-Phe-Gln-Val-Asp-His-Ala-Arg-Ser-
 121 Leu-His-Tyr-Val-Gly-Ala-Gly-Val-Ala-Phe-
 131 Pro-Ala-Gly-Leu-Leu-Phe-Val-Cys-Leu-His-
 141 Cys-Ala-Leu-Ser-Tyr-Gln-Gly-Ala-Thr-Ala-
 151 Pro-Leu-Asp-Leu-Leu-Ala-Val-Ala-Tyr-Leu-Arg
 HITS AT: 15-22
 L7 ANSWER 15 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAED00333 Protein DGENE
 TI Novel membrane bound protein, Zs1g60 isolated from pituitary gland, and anti-Zs1g60 antibodies which are useful for identifying or isolating cells of pituitary gland and to detect size and morphology of the gland -
 IN Presnell S R
 PA (Zymo) ZYMOGENETICS INC.
 PI ***WO 2001023567 A1 20010405 89p***
 AI WO 2000-US26664 20000928
 PRAI US 1999-156367 19990928
 DT Patent
 LA English
 OS 2001-266161 [27]
 DESC Human membrane-bound protein-60 (Zs1g60) mature extracellular portion.
 AN AAED00333 Protein DGENE
 AA 17 A; 4 R; 7 N; 5 D; 0 B; 10 C; 5 Q; 5 E; 0 Z; 14 G; 6 H; 6 I; 20 L; 2 K; 4 M; 5 F; 10 P; 10 S; 9 T; 3 W; 7 Y; 14 V; 0 Others
 SOL 163
 SEQ3 1 Ile-Thr-Gly-Ile-Tyr-Thr-Val-Tyr-Ala-Met-

11 Ala-Val-Met-Asn-His-His-Val-Cys-Pro-Val-
 21 Glu-Asn-Tyr-Ser-Tyr-Asn-Glu-Ser-Cys-Pro-
 31 Pro-Asp-Pro-Ala-Glu-Gln-Gly-Gly-Pro-Lys-
 41 Thr-Cys-Cys-Thr-Leu-Asp-Asp-Val-Pro-Leu-
 51 Ile-Ser-Lys-Cys-Gly-Ser-Tyr-Pro-Glu-
 61 Ser-Cys-Leu-Phe-Ser-Leu-Ile-Gly-Asn-Met-
 71 Gly-Ala-Phe-Met-Val-Ala-Leu-Ile-Cys-Leu-
 81 Leu-Arg-Tyr-Gly-Gln-Leu-Leu-Glu-Gln-Ser-
 91 Arg-His-Ser-Tyr-Val-Asn-Thr-Thr-Ala-Leu-
 101 Ile-Thr-Gly-Cys-Tyr-Asn-Ala-Ala-Gly-Leu-
 111 Leu-Val-Val-Gly-Asn-Phe-Gln-Val-Asp-His-
 121 Ala-Arg-Ser-Leu-His-Tyr-Val-Gly-Ala-Gly-
 131 Val-Ala-Phe-Pro-Ala-Gly-Leu-Leu-Phe-Val-
 141 Cys-Leu-His-Cys-Ala-Leu-Ser-Tyr-Gln-Gly-
 151 Ala-Thr-Ala-Pro-Leu-Asp-Leu-Ala-Val-Ala-
 161 Tyr-Leu-Arg
 HITS AT: 18-25
 L7 ANSWER 16 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAED00332 Protein DGENE
 TI Novel membrane bound protein, Zs1g60 isolated from pituitary gland, and anti-Zs1g60 antibodies which are useful for identifying or isolating cells of pituitary gland and to detect size and morphology of the gland -
 IN Presnell S R
 PA (Zymo) ZYMOGENETICS INC.
 PI ***WO 2001023567 A1 20010405 89p***
 AI WO 2000-US26664 20000928
 PRAI US 1999-156367 19990928
 DT Patent
 LA English
 OS 2001-266161 [27]
 DESC Human membrane-bound protein-60 alternative mature protein sequence.
 AN AAED00332 Protein DGENE
 AA 27 A; 5 R; 8 N; 7 D; 0 B; 14 C; 8 Q; 9 E; 0 Z; 19 G; 9 H; 12 I; 30 L; 3 K; 5 M; 11 F; 13 P; 24 S; 13 T; 4 W; 9 Y; 23 V; 0 Others
 SOL 253
 SEQ3 1 Ile-Tyr-Thr-Val-Tyr-Ala-Met-Ala-Val-Met-
 11 Asn-His-His-Val-Cys-Pro-Val-Glu-Asn-Tyr-
 21 Ser-Tyr-Asn-Glu-Ser-Cys-Pro-Pro-Asp-Pro-
 31 Ala-Glu-Gln-Gly-Gly-Pro-Lys-Thr-Cys-Cys-
 41 Thr-Leu-Asp-Asp-Val-Pro-Leu-Ile-Ser-Lys-
 51 Cys-Gly-Ser-Tyr-Pro-Pro-Glu-Ser-Cys-Leu-
 61 Phe-Ser-Leu-Ile-Gly-Asn-Met-Gly-Ala-Phe-
 71 Met-Val-Ala-Leu-Ile-Cys-Leu-Leu-Arg-Tyr-
 81 Gly-Gln-Leu-Leu-Gln-Ser-Arg-His-Ser-
 91 Tyr-Val-Asn-Thr-Thr-Ala-Leu-Ile-Thr-Gly-
 101 Cys-Thr-Asn-Ala-Ala-Gly-Leu-Leu-Val-Val-
 111 Gly-Asn-Phe-Gln-Val-Asp-His-Ala-Arg-Ser-
 121 Leu-His-Tyr-Val-Gly-Ala-Gly-Cys-Leu-His-
 131 Pro-Ala-Gly-Leu-Leu-Phe-Val-Cys-Leu-His-
 141 Cys-Ala-Leu-Ser-Tyr-Gln-Gly-Ala-Thr-Ala-
 151 Pro-Leu-Asp-Leu-Leu-Ala-Val-Ala-Tyr-Leu-Arg

161 Ser-Val-Leu-Ala-Val-Ile-Ala-Phe-Ile-Thr-
171 Leu-Val-Leu-Ser-Gly-Val-Phe-Phe-Val-His-
181 Glu-Ser-Ser-Gln-Leu-Gln-His-Gly-Ala-Ala-
191 Leu-Cys-Ser-Glu-Tyr-Val-Cys-Val-Ile-Asp-Ile-
201 Leu-Ile-Phe-Tyr-Gly-Thr-Phe-Ser-Tyr-Glu-
211 Phe-Gly-Ala-Val-Ser-Ser-Asp-Thr-Leu-Val-
221 Ala-Ala-Leu-Gln-Leu-Pro-Pro-Gly-Arg-Ala-
231 Cys-Lys-Ser-Ser-Gly-Ser-Ser-Ser-Thr-Ser-
241 Thr-His-Leu-Asn-Cys-Ala-Pro-Glu-Ser-Ile-
251 Ala-Met-Ile

HITS AT: 15-22

L7 ANSWER 17 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN AAED00331 Protein DGENE
TI Novel membrane bound protein, Zsig60 isolated from pituitary gland, and
anti-Zsig60 antibodies which are useful for identifying or isolating
cells of pituitary gland and to detect size and morphology of the gland -
Presnell S R
IN PA (ZYMO) ZYMOGENETICS INC. 89p***
PI ***WO 2001023567 A1 20010405
AI WO 2000-US26664 20000928
PRAI US 1999-156367 19990928
DT Patent

LA English
OS 2001-266161 (27)
DESC Human membrane-bound protein-60 (Zsig60) mature protein sequence.
AN AAED00331 Protein DGENE
AA 29 A; 5 R; 8 N; 7 D; 0 B; 14 C; 8 Q; 9 E; 0 Z; 20 G; 9 H; 14 I;
30 L; 3 K; 5 M; 11 F; 13 P; 24 S; 14 T; 4 W; 9 Y; 23 V; 0 Others
SOL 256
SEQ3

1 Ile-Thr-Gly-Ile-Tyr-Thr-Val-Tyr-Ala-Met-
11 Ala-Val-Met-Asn-His-His-Val-Cys-Pro-Val-
21 Glu-Asn-Tyr-Ser-Tyr-Asn-Glu-Ser-Cys-Pro-
31 Pro-Asp-Pro-Ala-Glu-Gln-Gly-Gly-Pro-Lys-
41 Thr-Cys-Cys-Thr-Leu-Asp-Asp-Val-Pro-Leu-
51 Ile-Ser-Lys-Cys-Gly-Ser-Tyr-Pro-Pro-Glu-
61 Ser-Cys-Leu-Phe-Ser-Leu-Ile-Gly-Asn-Met-
71 Gly-Ala-Phe-Met-Val-Ala-Leu-Ile-Cys-Leu-
81 Leu-Arg-Tyr-Gly-Gln-Leu-Leu-Gln-Ser-
91 Arg-His-Ser-Tyr-Val-Asp-Thr-Thr-Ala-Leu-
101 Ile-Thr-Gly-Cys-Thr-Asn-Ala-Ala-Gly-Leu-
111 Leu-Val-Val-Gly-Asn-Phe-Gln-Val-Asp-His-
121 Ala-Arg-Ser-Leu-His-Tyr-Val-Gly-Ala-Gly-
131 Val-Ala-Phe-Pro-Ala-Gly-Leu-Leu-Phe-Val-
141 Cys-Leu-His-Cys-Ala-Leu-Ser-Tyr-Gln-Gly-
151 Ala-Thr-Ala-Pro-Leu-Asp-Leu-Ala-Val-Ala-
161 Tyr-Leu-Arg-Ser-Val-Leu-Ala-Val-Ile-Ala-
171 Phe-Ile-Thr-Leu-Val-Leu-Ser-Gly-Val-Phe-
181 Phe-Val-His-Glu-Ser-Ser-Gln-Leu-Gln-His-
191 Gly-Ala-Ala-Leu-Cys-Glu-Tyr-Val-Cys-Val-
201 Ile-Asp-Ile-Leu-Ile-Phe-Tyr-Gly-Thr-Phe-
211 Ser-Tyr-Glu-Phe-Gly-Ala-Val-Ser-Ser-Asp-
221 Thr-Leu-Val-Ala-Ala-Leu-Gln-Leu-Pro-Pro-
231 Gly-Arg-Ala-Cys-Lys-Ser-Ser-Gly-Ser-Ser-

241 Ser-Thr-Ser-Thr-His-Leu-Asn-Cys-Ala-Pro-
251 Glu-Ser-Ile-Ala-Met-Ile

HITS AT: 18-25

L7 ANSWER 18 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN AAED00330 Protein DGENE
TI Novel membrane bound protein, Zsig60 isolated from pituitary gland, and
anti-Zsig60 antibodies which are useful for identifying or isolating
cells of pituitary gland and to detect size and morphology of the gland -
Presnell S R
IN PA (ZYMO) ZYMOGENETICS INC. 89p***
PI ***WO 2001023567 A1 20010405
AI WO 2000-US26664 20000928
PRAI US 1999-156367 19990928
DT Patent

LA English
OS 2001-266161 (27)
DESC Human membrane-bound protein-60 (Zsig60).
AN AAED00330 Protein DGENE
AA 29 A; 5 R; 8 N; 7 D; 0 B; 14 C; 8 Q; 9 E; 0 Z; 20 G; 9 H; 14 I;
33 L; 3 K; 6 M; 12 F; 14 P; 27 S; 15 T; 5 W; 9 Y; 24 V; 0 Others
SOL 271
SEQ3

1 Met-Thr-Ala-Tyr-Ile-Leu-Leu-Pro-Val-Ser-
11 Leu-Ser-Ala-Phe-Ser-Ile-Thr-Gly-Ile-Tyr-
21 Thr-Val-Tyr-Ala-Met-Ala-Val-Met-Asn-His-
31 His-Val-Cys-Pro-Val-Glu-Asn-Tyr-Ser-Tyr-
41 Asn-Glu-Ser-Cys-Pro-Pro-Asp-Pro-Ala-Glu-
51 Gln-Gly-Gly-Pro-Lys-Thr-Cys-Cys-Thr-Leu-
61 Asp-Asp-Val-Pro-Leu-Ile-Ser-Lys-Cys-Gly-
71 Ser-Tyr-Pro-Pro-Glu-Ser-Cys-Leu-Phe-Ser-
81 Leu-Ile-Gly-Asn-Met-Gly-Ala-Phe-Met-Val-
91 Ala-Leu-Ile-Cys-Leu-Leu-Arg-Tyr-Gly-Gln-
101 Leu-Leu-Glu-Gln-Ser-Arg-His-Ser-Tyr-Val-
111 Asn-Thr-Thr-Ala-Leu-Ile-Thr-Gly-Cys-Thr-
121 Asn-Ala-Ala-Gly-Leu-Leu-Val-Val-Gly-Asn-
131 Phe-Gln-Val-Asp-His-Ala-Arg-Ser-Leu-His-
141 Tyr-Val-Gly-Ala-Gly-Val-Ala-Phe-Pro-Ala-
151 Gly-Leu-Leu-Phe-Val-Cys-Leu-His-Cys-Ala-
161 Leu-Ser-Tyr-Gln-Gly-Ala-Thr-Ala-Pro-Leu-
171 Asp-Leu-Ala-Val-Ala-Tyr-Leu-Arg-Ser-Val-
181 Leu-Ala-Val-Ile-Ala-Phe-Ile-Thr-Leu-Val-
191 Leu-Ser-Gly-Val-Phe-Phe-Val-His-Glu-Ser-
201 Ser-Gln-Leu-Gln-His-Gly-Ala-Ala-Leu-Cys-
211 Glu-Tyr-Val-Cys-Val-Ile-Asp-Ile-Leu-Ile-
221 Phe-Tyr-Gly-Thr-Phe-Ser-Tyr-Gly-Phe-Gly-
231 Ala-Val-Ser-Ser-Asp-Thr-Leu-Val-Ala-Ala-
241 Leu-Gln-Leu-Pro-Pro-Gly-Arg-Ala-Cys-Lys-
251 Ser-Ser-Gly-Ser-Ser-Ser-Thr-Ser-Thr-His-
261 Leu-Asn-Cys-Ala-Pro-Glu-Ser-Ile-Ala-Met-
271 Ile

HITS AT: 33-40

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FEATURE TABLE:
Key      Location|Qualifier|
=====
Peptide  11..15 |label |Signal_peptide
Protein  16..271 |label |Mature_human_zsig60_protein
Peptide  11..18 |label |Alternative_signal_peptide
Protein  19..271 |label |Alternative_mature_human_zsig60_protein
Region   16..178 |label |Extracellular_region
Region   19..178 |label |Alternative_extracellular_region
Region   19..56 |label |Immunogenic_epitope
Region   19..76 |label |Immunogenic_epitope
Region   139..108 |label |Immunogenic_epitope
Region   139..197 |label |Membrane_spanning_region
Region   198..271 |label |Intracellular_or_cytoplasmic_region

L7  ANSWER 19 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN  AA64866 Protein DGENE
TI  Novel secreted protein 5' expressed sequence tag sequences used in
    diagnostic, forensic, gene therapy, and chromosome mapping procedures
IN  Dumas Milne Edwards J; Duclet A; Giordano J
PA  (GSI) GENSET.
PI  **WO 9953051 A2 19991021 837p***
P1  WO 1999-18712 19990409
PRAI US 1998-57719 19980409
PRAI US 1998-69047 19980428

DT  Patent
LA  English
OS  2000-038446 [03]
CR  N-PSTB: AA242480
DESC Human 5' EST related polypeptide SEQ ID NO:1027.
AA  3 A; 6 R; 2 N; 0 D; 0 B; 4 G; 1 Q; 3 E; 0 Z; 3 G; 3 H; 1 I;
    12 L; 1 K; 2 M; 2 F; 5 P; 10 S; 6 T; 2 W; 1 Y; 7 V; 0 Others
SOL 74
SEQ3
1 Met-Ala-Ala-Ser-Val-Leu-Asn-Thr-Val-Leu-
11 Arg-Arg-Leu-Pro-Met-Leu-Ser-Leu-Phe-Arg-
21 Gly-Ser-His-Arg-Val-Gln-Val-Thr-Leu-Arg-
31 Lys-Thr-Phe-Cys-Thr-Thr-Ser-Ser-Tyr-Leu-
41 Tyr-Leu-Leu-Glu-Val-Val-Ala-Pro-Leu-Ser-
51 Gly-Ile-His-Glu-Tyr-Arg-Pro-Ser-His-Val-
61 Cys-Leu-Ser-Cys-Leu-Gly-Ser-Thr-Ser-Cys-
71 Asn-Pro-Pro-Glu
HTS AT: 34-41

L7  ANSWER 20 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN  AA94930 Protein DGENE
TI  New polynucleotides encoding secreted proteins, which may have e.g.
    nutritional, chemokine, immune stimulating or suppressing, hematopoiesis
    regulating, tissue growth, activin/inhibin antiinflammatory or tumor
    inhibition activity -
    Jacobs K; McCoy J M; LaVallie E R; Collins-Racie L A; Evans C; Merberg D;
    Treacy M; Agostino M J; Steininger R J; Spaulding V; Wong G; Clark H F;
    Reichtel K
PA  (GENY) GENETICS INST INC.
PI  ***WO 200003552 A1 20000224 641p***
P1  WO 1999-US18298 19990813
PRAI US 1998-96622 19980814
PRAI US 1998-96815 19980817
PRAI US 1998-96815 19980817
US 1998-99229 19980904
US 1998-105368 19981023
US 1999-115234 19990106
US 1999-119931 19990212
US 1999-120575 19990218
US 1999-132020 19990430
US 1999-96622 19990811

DT  Patent
LA  English
OS  2000-205979 [18]
DESC Human secreted protein clone qa136_1 protein sequence SEQ ID NO:66.
AN  AA94930 Protein DGENE
AA  31 A; 19 R; 10 N; 7 D; 0 B; 21 C; 16 Q; 13 E; 0 Z; 36 G; 15 H; 13 I;
    48 L; 7 K; 10 M; 16 F; 54 P; 49 S; 21 T; 17 W; 7 Y; 27 V; 0 Others
SOL 437
SEQ3
1 Met-Val-Arg-Arg-Arg-Gly-Ala-Pro-Gly-
11 Arg-Pro-Gly-Gln-Leu-Met-Val-Val-Ala-Gly-
21 Thr-Ser-Gln-Gly-Ser-Tyr-Ser-Ala-Pro-His-
31 Phe-Pro-Ile-Tyr-Leu-Leu-Ser-Ser-Pro-Pro-
41 Thr-Pro-Pro-Pro-Tyr-Leu-Leu-Ser-Leu-
51 Met-Thr-Ala-Tyr-Ile-Leu-Leu-Pro-Val-Ser-
61 Leu-Ser-Ala-Phe-Ser-Ile-Thr-Gly-Ile-Tyr-
71 Thr-Val-Tyr-Ala-Met-Ala-Val-Met-Asn-His-
81 His-Val-Cys-Pro-Val-Gln-Asn-Tyr-Ser-Tyr-
91 Asn-Glu-Ser-Cys-Pro-Pro-Asp-Pro-Ala-Glu-
101 Gln-Gly-Gly-Pro-Lys-Thr-Cys-Cys-Thr-Leu-
111 Asp-Asp-Val-Pro-Leu-Ile-Ser-Lys-Cys-Gly-
121 Ser-Tyr-Pro-Pro-Glu-Ser-Cys-Leu-Phe-Ser-
131 Leu-Ile-Gly-Asn-Met-Gly-Ala-Phe-Met-Val-
141 Ala-Leu-Ile-Cys-Leu-Leu-Arg-Tyr-Gly-Gln-
151 Leu-Leu-Glu-Gln-Ser-Arg-His-Ser-Tyr-Val-
161 Asn-Thr-Thr-Ala-Leu-Ile-Thr-Gly-Cys-Thr-
171 Asn-Ala-Ala-Gly-Leu-Leu-Val-Val-Gly-Asn-
181 Phe-Gln-Val-Asp-His-Ala-Arg-Ser-Leu-His-
191 Tyr-Val-Gly-Ala-Gly-Val-Ala-Phe-Pro-Ala-
201 Gly-Leu-Leu-Phe-Val-Cys-Leu-His-Cys-Leu-
211 Ser-Pro-Thr-Lys-Gly-Pro-Pro-Pro-Arg-Tyr-
221 Thr-Tyr-Leu-Tyr-Pro-Ile-Cys-Glu-Val-Gly-
231 Thr-Leu-Ser-Ser-Pro-Leu-Ser-Pro-Tyr-Ser-
241 Ser-Val-Glu-Ser-Ser-Leu-Ser-Met-Arg-Val-
251 Leu-Ser-Cys-Asn-Met-Gly-Gln-Pro-Cys-Val-
261 Ser-Gly-Cys-Val-Ser-Ser-Ile-Ser-Ser-Phe-
271 Ser-Met-Ala-Pro-Ser-Ala-Thr-Ser-Leu-Gly-
281 Gln-Ser-Pro-Gln-Thr-His-Tyr-Pro-Leu-His-
291 Cys-Ser-Leu-Pro-Leu-Ala-Gly-Tyr-Ala-Ser-
301 Pro-Pro-Gly-Ala-Ala-Ala-Leu-His-Pro-Pro-
311 Gln-Leu-Cys-Pro-Arg-Glu-His-Arg-Tyr-Asp-

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HITS AT: 63-90

L7 ANSWER 21 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN AA82891 Protein DGENE
TI New fragments of human fibrinogen, useful for treating conditions
IN associated with fibrinogen metabolism -
PA Greeninger G; Applegate D; Stokke-staben L
(NYBL-N) NEW YORK BLOOD CENT INC.
PI ***WO 200009562 A1 20000224 66p***
P1 WO 1999-US18412 19990812
PRAI US 1998-96210 19980812

DT Patent
LA English
OS 2000-205983 [18]
CR N-PSDB: AA293039
DESC AA82891 Protein DGENE
AN AlphaE subunit of human fibrinogen.
XN 36 A; 53 R; 45 N; 50 D; 0 B; 12 C; 30 Q; 64 E; 0 Z; 96 G; 19 H; 23 I;
47 L; 43 K; 13 M; 28 F; 41 P; 103S; 57 T; 18 W; 24 Y; 41 V; 0 Others
SQL 847

SEQ3

1 Ala-Asp-Ser-Gly-Glu-Gly-Asp-Phe-Leu-Ala-
11 Glu-Gly-Gly-Gly-Val-Arg-Arg-Pro-Arg-Val-
21 Val-Glu-Arg-His-Gln-Ser-Ala-Cys-Lys-Asp-
31 Ser-Asp-Trip-Pro-Phe-Cys-Ser-Asp-Glu-Asp-
41 Trip-Asn-Tyr-Lys-Cys-Pro-Ser-Gly-Cys-Arg-
51 Met-Lys-Gly-Leu-Ile-Asp-Glu-Val-Asn-Gln-
61 Asp-Phe-Thr-Asn-Arg-Ile-Asn-Lys-Leu-Lys-
71 Asn-Ser-Leu-Phe-Glu-Tyr-Gln-Lys-Asn-Asn-
81 Lys-Asp-Ser-His-Ser-Leu-Thr-Thr-Asn-Ile-
91 Met-Glu-Ile-Leu-Arg-Gly-Asp-Phe-Ser-Ser-
101 Ala-Asn-Asn-Arg-Asp-Asn-Thr-Tyr-Asn-Arg-
111 Val-Ser-Glu-Asp-Leu-Arg-Ser-Arg-Ile-Glu-
121 Val-Leu-Lys-Arg-Lys-Val-Ile-Glu-Lys-Val-
131 Gln-His-Ile-Gln-Leu-Leu-Gln-Lys-Asn-Val-
141 Arg-Ala-Gln-Leu-Val-Asp-Met-Lys-Arg-Leu-
151 Glu-Val-Asp-Ile-Asp-Ile-Lys-Ile-Arg-Ser-
161 Cys-Arg-Gly-Ser-Cys-Ser-Arg-Ala-Leu-Ala-
171 Arg-Glu-Val-Asp-Leu-Lys-Asp-Tyr-Glu-Asp-
181 Gln-Gln-Lys-Gln-Leu-Glu-Glu-Val-Ile-Ala-
191 Lys-Asp-Leu-Leu-Pro-Ser-Arg-Asp-Arg-Gln-
201 His-Leu-Pro-Leu-Ile-Lys-Met-Lys-Pro-Val-
211 Pro-Asp-Leu-Val-Pro-Gly-Asn-Phe-Lys-Ser-
221 Gln-Leu-Gln-Lys-Val-Pro-Pro-Glu-Trip-Lys-
231 Ala-Leu-Thr-Asp-Met-Pro-Gln-Met-Arg-Met-
241 Glu-Leu-Glu-Arg-Pro-Gly-Gly-Asn-Glu-Ile-
251 Thr-Arg-Gly-Gly-Ser-Thr-Ser-Tyr-Gly-Thr-
261 Gly-Ser-Gly-Thr-Glu-Ser-Pro-Arg-Asn-Pro-
271 Ser-Ser-Ala-Gly-Ser-Trip-Asn-Ser-Gly-Ser-
281 Ser-Gly-Pro-Gly-Ser-Thr-Gly-Asn-Arg-Asp-
291 Pro-Gly-Ser-Ser-Gly-Thr-Gly-Val-Thr-Ala-
301 Thr-Trip-Lys-Pro-Gly-Ser-Ser-Gly-Pro-Gly-
311 Ser-Thr-Gly-Ser-Trip-Asn-Ser-Gly-Ser-Ser-
321 Gly-Thr-Gly-Ser-Thr-Gly-Asn-Gln-Asn-Pro-
331 Gly-Ser-Pro-Arg-Pro-Gly-Ser-Thr-Gly-Thr-
341 Trip-Asn-Pro-Gly-Ser-Ser-Glu-Arg-Gly-Ser-
351 Ala-Gly-His-Trip-Thr-Ser-Glu-Ser-Ser-Val-
361 Ser-Gly-Ser-Thr-Gly-Gln-Trip-His-Ser-Glu-
371 Ser-Gly-Ser-Phe-Arg-Pro-Asp-Ser-Pro-Gly-
381 Ser-Gly-Asn-Ala-Arg-Pro-Asn-Asn-Pro-Asp-
391 Trip-Gly-Thr-Phe-Glu-Glu-Val-Ser-Gly-Asp-
401 Val-Ser-Pro-Gly-Thr-Arg-Arg-Glu-Tyr-His-
411 Thr-Glu-Lys-Leu-Val-Thr-Ser-Lys-Gly-Asp-
421 Lys-Glu-Leu-Arg-Thr-Gly-Lys-Glu-Lys-Val-
431 Thr-Ser-Gly-Ser-Thr-Thr-Thr-Arg-Arg-
441 Ser-Cys-Ser-Lys-Thr-Val-Thr-Lys-Thr-Val-
451 Ile-Gly-Pro-Asp-Gly-His-Lys-Glu-Val-Thr-
461 Lys-Glu-Val-Val-Thr-Ser-Glu-Asp-Gly-Ser-
471 Asp-Cys-Pro-Glu-Ala-Met-Asp-Leu-Gly-Thr-
481 Leu-Ser-Gly-Ile-Gly-Thr-Leu-Asp-Gly-Phe-
491 Arg-His-Arg-His-Pro-Asp-Glu-Ala-Ala-Phe-
501 Phe-Asp-Thr-Ala-Ser-Thr-Gly-Lys-Thr-Phe-
511 Pro-Gly-Phe-Phe-Ser-Pro-Met-Leu-Gly-Glu-
521 Phe-Val-Ser-Glu-Thr-Glu-Ser-Arg-Gly-Ser-
531 Glu-Ser-Gly-Ile-Phe-Thr-Asn-Thr-Lys-Glu-
541 Ser-Ser-Ser-His-His-Pro-Gly-Ile-Ala-Glu-
551 Phe-Pro-Ser-Arg-Gly-Lys-Ser-Ser-Ser-Tyr-
561 Ser-Lys-Gln-Phe-Thr-Ser-Ser-Thr-Ser-Tyr-
571 Asn-Arg-Gly-Asp-Ser-Thr-Phe-Glu-Ser-Lys-
581 Ser-Tyr-Lys-Met-Ala-Asp-Glu-Ala-Gly-Ser-
591 Glu-Ala-Asp-His-Glu-Gly-Thr-His-Ser-Thr-
601 Lys-Arg-Gly-His-Ala-Lys-Ser-Arg-Pro-Val-
611 Arg-Asp-Cys-Asp-Asp-Val-Leu-Gln-Thr-His-
621 Pro-Ser-Gly-Thr-Gln-Ser-Gly-Ile-Phe-Asn-
631 Ile-Lys-Leu-Pro-Gly-Ser-Ser-Lys-Ile-Phe-
641 Ser-Val-Tyr-Cys-Asp-Gln-Gln-Thr-Ser-Leu-
651 Gly-Gly-Trip-Leu-Leu-Ile-Gln-Gln-Arg-Met-
661 Asp-Gly-Ser-Leu-Leu-Phe-Asn-Arg-Thr-Trip-
671 Gln-Asp-Tyr-Lys-Arg-Gly-Phe-Gly-Ser-Leu-
681 Asn-Asp-Gly-Gly-Gly-Glu-Phe-Trip-Leu-
691 Gly-Asn-Asp-Tyr-Leu-His-Leu-Thr-Gln-
701 Arg-Gly-Ser-Val-Leu-Arg-Val-Glu-Leu-Glu-
711 Asp-Trip-Ala-Gly-Asn-Glu-Ala-Tyr-Ala-Glu-
721 Tyr-His-Phe-Arg-Val-Gly-Ser-Glu-Ala-Glu-
731 Gly-Tyr-Ala-Leu-Gln-Val-Ser-Ser-Tyr-Glu-
741 Gly-Thr-Ala-Gly-Asp-Ala-Leu-Ile-Glu-Gly-
751 Ser-Val-Glu-Glu-Gly-Ala-Glu-Tyr-Thr-Ser-
761 His-Asn-Asn-Met-Gln-Phe-Ser-Thr-Phe-Asp-
771 Arg-Asp-Ala-Asp-Gln-Trip-Glu-Glu-Asn-Cys-
781 Ala-Glu-Val-Tyr-Gly-Gly-Gly-Trip-Trip-Tyr-

DESC	Amino acid sequence of a human transmembrane protein.
AN	AAH1985 Protein DEENE
AA	29 A; 5 R; 8 N; 7 D; 0 B; 14 C; 8 Q; 9 E; 0 Z; 20 G; 9 H; 14 I;
SOL	32 L; 3 K; 6 M; 12 F; 14 P; 27 S; 16 T; 5 W; 9 Y; 24 V; 0 Others
SE03	271

Section 5

11

HITS AT: 33-40

L7 ANSWER 26 OF 36 DENE COPYRIGHT 2004 The Thomson Corp on STM
AN AAB54135 Protein DENE
T1 New nucleic acid that is a pancreatic cancer antigen for preventing,
treating, or ameliorating a medical condition, particular pancreatic
cancer, or for use in assays for diagnosing a pathological condition -

TN Rosen C A; Ruben S M
PA (HUMAN-N) HUMAN GENOME SCI INC.
PI ***WO 2000053320 A1 20000921 999p***
AI WO 2000-055989 20000308
PRAI US 1999-124270 19990312
DT Patent
LA English
OS 2000-579444 [54]
CR N-PSDB: AAC89800
DESC Human pancreatic cancer antigen protein sequence SEQ ID NO:587.
AN AA354135 Protein DGENE
AA 13 A; 27 R; 20 N; 22 D; 0 B; 7 C; 15 Q; 26 E; 0 Z; 22 G; 4 H; 14 I;
34 L; 27 K; 9 M; 7 F; 22 P; 29 S; 14 T; 15 W; 6 Y; 21 V; 6 Others
SOL 360
SEQ3

1 Leu-Asn-Pro-Gly-Arg-Pro-Ala-Arg-Pro-Val-
11 Leu-Leu-Arg-Ser-Xxx-Ala-Pro-Pro-Leu-Glu-
21 Lys-Met-Phe-Ser-Met-Arg-Ile-Val-Cys-Leu-
31 Val-Leu-Ser-Val-Val-Gly-Thr-Ala-Trp-Thr-
41 Ala-Asp-Ser-Gly-Glu-Gly-Asp-Phe-Leu-Ala-
51 Glu-Gly-Gly-Gly-Val-Arg-Gly-Pro-Arg-Val-
61 Val-Glu-Arg-His-Gln-Ser-Ala-Cys-Lys-Asp-
71 Ser-Asp-Trp-Pro-Phe-Cys-Ser-Asp-Glu-Asp-
81 Trp-Asn-Tyr-Lys-Cys-Pro-Ser-Gly-Cys-Arg-
91 Met-Lys-Gly-Leu-Ile-Asp-Glu-Val-Asn-Gln-
101 Asp-Phe-Thr-Asn-Arg-Ile-Asn-Lys-Leu-Lys-
111 Asn-Ser-Leu-Phe-Glu-Tyr-Gln-Lys-Asn-Asn-
121 Lys-Asp-Ser-His-Ser-Leu-Thr-Thr-Asn-Ile-
131 Met-Glu-Ile-Leu-Arg-Gly-Asp-Phe-Ser-Ser-
141 Ala-Asn-Asn-Arg-Asp-Asn-Thr-Tyr-Asn-Arg-
151 Val-Ser-Glu-Asp-Leu-Arg-Ser-Arg-Ile-Glu-
161 Val-Leu-Lys-Arg-Lys-Val-Ile-Glu-Lys-Val-
171 Gln-His-Ile-Gln-Leu-Leu-Gln-Lys-Asn-Val-
181 Arg-Ala-Gln-Leu-Val-Asp-Met-Lys-Arg-Leu-
191 Glu-Val-Asp-Ile-Asp-Ile-Lys-Ile-Arg-Ser-
201 Cys-Arg-Gly-Ser-Cys-Ser-Arg-Ala-Leu-Ala-
211 Arg-Glu-Val-Asp-Leu-Lys-Asp-Tyr-Glu-Asp-
221 Gln-Gln-Lys-Gln-Leu-Glu-Gln-Val-Ile-Ala-
231 Lys-Asp-Leu-Leu-Pro-Ser-Arg-Asp-Arg-Gln-
241 His-Leu-Pro-Leu-Ile-Lys-Met-Lys-Pro-Val-
251 Pro-Asp-Leu-Val-Pro-Gly-Asn-Phe-Lys-Ser-
261 Gln-Leu-Gln-Lys-Val-Pro-Pro-Glu-Trp-Lys-
271 Ala-Leu-Thr-Asp-Met-Pro-Gln-Met-Arg-Met-
281 Glu-Leu-Glu-Arg-Pro-Gly-Gly-Asn-Glu-Ile-
291 Thr-Arg-Gly-Gly-Ser-Thr-Ser-Tyr-Arg-Thr-
301 Gly-Ser-Glu-Thr-Glu-Ser-Pro-Arg-Asn-Pro-
311 Ser-Ser-Ala-Gly-Xxx-Trp-Asn-Ser-Gly-Ser-
321 Ser-Gly-Thr-Trp-Xxx-Xxx-Xxx-Asn-Leu-Glu-
331 Thr-Trp-Glu-Leu-Trp-Thr-Trp-Lys-Xxx-Trp-
341 Lys-Leu-Glu-Leu-Trp-Glu-Leu-Trp-Asn-Trp-
351 Lys-Tyr-Trp-Lys-Pro-Lys-Pro-Trp-Glu-Pro
HITS AT: 76-83
L7 ANSWER 25 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN AAB19796 Protein DGENE

TI Purified laminin 2 protein, useful for research and therapeutic purposes
including peripheral nerve regeneration, treatment of degenerative muscle
disorders, angiogenesis regulation, and ex vivo cell therapy -
Yurchenco P
IN (UYNE-N) UNIV NEW JERSEY MEDICINE & DENTISTRY.
PA ***WO 2000066730 A2 20001109 305p***
PI WO 2000-US11378 20000428
AI US 1999-131720 19990430
PRAI US 1999-139198 19990615
US 1999-143289 19990712
US 1999-155945 19990924
DT Patent
LA English
OS 2000-687537 [67]
CR N-PSDB: AAB89896
DESC Mouse laminin 2 mature alpha-2 chain.
AN AAB19796 Protein DGENE
AA 183A; 163K; 164N; 181D; 0 B; 161C; 123Q; 206E; 0 Z; 255G; 65 H; 166I;
242L; 171K; 43 M; 101F; 175P; 207S; 187I; 27 W; 99 Y; 165V; 0 Others
SOL 3084
SEQ3

1 Gln-Arg-Arg-Gln-Ser-Gln-Ala-His-Gln-Gln-
11 Arg-Gly-Leu-Phe-Pro-Ala-Val-Leu-Asn-Leu-
21 Ala-Ser-Asn-Ala-Leu-Ile-Thr-Thr-Asn-Ala-
31 Thr-Cys-Gly-Glu-Lys-Gly-Pro-Glu-Met-Tyr-
41 Cys-Lys-Leu-Val-Glu-His-Val-Pro-Gly-Gly-
51 Pro-Val-Arg-Asn-Pro-Gln-Cys-Arg-Ile-Cys-
61 Asn-Gln-Asn-Ser-Ser-Asn-Pro-Tyr-Gln-Lys-
71 His-Pro-Ile-Thr-Asn-Ala-Ile-Asp-Gly-Lys-
81 Asn-Thr-Trp-Trp-Gln-Ser-Pro-Ser-Ile-Lys-
91 Asn-Gly-Val-Glu-Tyr-His-Tyr-Val-Thr-Ile-
101 Thr-Leu-Asp-Leu-Gln-Gln-Val-Phe-Gln-Ile-
111 Ala-Tyr-Val-Ile-Val-Lys-Ala-Ala-Asn-Ser-
121 Pro-Arg-Pro-Gly-Asn-Trp-Ile-Leu-Asp-Arg-
131 Ser-Leu-Asp-Asp-Val-Glu-Tyr-Lys-Pro-Trp-
141 Gln-Tyr-His-Ala-Val-Thr-Asp-Thr-Glu-Cys-
151 Leu-Thr-Leu-Tyr-Asn-Ile-Tyr-Pro-Arg-Thr-
161 Gly-Pro-Pro-Ser-Tyr-Ala-Lys-Asp-Asp-Glu-
171 Val-Ile-Cys-Thr-Ser-Phe-Tyr-Ser-Lys-Ile-
181 His-Pro-Leu-Glu-Asn-Gly-Glu-Ile-His-Ile-
191 Ser-Leu-Ile-Asn-Gly-Arg-Pro-Ser-Ala-Asp-
201 Asp-Pro-Ser-Pro-Glu-Leu-Leu-Glu-Phe-Thr-
211 Ser-Ala-Arg-Tyr-Ile-Arg-Leu-Arg-Phe-Gln-
221 Arg-Ile-Arg-Thr-Leu-Asn-Ala-Asp-Leu-Met-
231 Met-Phe-Ala-His-Lys-Asp-Pro-Arg-Glu-Ile-
241 Asp-Pro-Ile-Val-Thr-Arg-Arg-Tyr-Tyr-Tyr-
251 Ser-Val-Lys-Asp-Ile-Ser-Val-Gly-Met-
261 Cys-Ile-Cys-Tyr-Gly-His-Ala-Arg-Ala-Cys-
271 Pro-Leu-Asp-Pro-Ala-Thr-Asn-Lys-Ser-Arg-
281 Cys-Glu-Cys-Glu-His-Asn-Thr-Cys-Gly-Glu-
291 Ser-Cys-Asp-Arg-Cys-Cys-Pro-Gly-Phe-His-
301 Gln-Lys-Pro-Trp-Arg-Ala-Gly-Thr-Phe-Leu-
311 Thr-Lys-Ser-Glu-Cys-Glu-Ala-Cys-Asn-Cys-
321 His-Gly-Lys-Ala-Glu-Glu-Cys-Tyr-Tyr-Asp-
331 Glu-Thr-Val-Ala-Ser-Arg-Asn-Leu-Ser-Leu-
341 Asn-Ile-His-Gly-Lys-Tyr-Ile-Gly-Gly-Gly-
351 Val-Cys-Ile-Asn-Cys-Thr-His-Asn-Thr-Ala-

361 Gly-Ile-Asn-Cys-Glu-Thr-Cys-Val-Asp-Gly-
371 Phe-Phe-Arg-Pro-Lys-Gly-Val-Ser-Pro-Asn-
381 Tyr-Pro-Arg-Pro-Cys-Gln-Pro-Cys-His-Cys-
391 Asp-Pro-Thr-Gly-Ser-Leu-Ser-Glu-Val-Cys-
401 Val-Lys-Asp-Glu-Lys-Tyr-Ala-Glu-Val-Cys-
411 Leu-Lys-Pro-Gly-Ser-Cys-His-Cys-Lys-Thr-
421 Gly-Phe-Gly-Gly-Val-Asn-Cys-Asp-Arg-Cys-
431 Val-Arg-Gly-Tyr-His-Gly-Tyr-Pro-Asp-Cys-
441 Gln-Pro-Cys-Asn-Cys-Ser-Gly-Leu-Gly-Ser-
451 Thr-Asn-Glu-Asp-Pro-Cys-Val-Gly-Pro-Cys-
461 Ser-Cys-Lys-Glu-Asn-Val-Glu-Gly-Glu-Asp-
471 Cys-Ser-Arg-Cys-Lys-Ser-Gly-Phe-Phe-Asn-
481 Leu-Gln-Glu-Asp-Asn-Gln-Lys-Gly-Cys-Glu-
491 Glu-Cys-Phe-Cys-Ser-Gly-Val-Ser-Asn-Arg-
501 Cys-Gln-Ser-Ser-Tyr-Trp-Thr-Tyr-Gly-Asn-
511 Ile-Gln-Asp-Met-Arg-Gly-Trp-Tyr-Leu-Thr-
521 Asp-Leu-Ser-Gly-Arg-Ile-Arg-Met-Ala-Pro-
531 Gln-Leu-Asp-Asn-Pro-Asp-Ser-Pro-Gln-Gln-
541 Ile-Ser-Ile-Ser-Asn-Ser-Glu-Ala-Arg-Lys-
551 Ser-Leu-Leu-Asp-Gly-Tyr-Tyr-Trp-Ser-Ala-
561 Pro-Pro-Pro-Tyr-Leu-Gly-Asn-Arg-Leu-Pro-
571 Ala-Val-Gly-Gly-Gln-Ileu-Ser-Phe-Thr-Ile-
581 Ser-Tyr-Asp-Leu-Leu-Gln-Glu-Glu-Asp-Asp-
591 Thr-Glu-Lys-Leu-Leu-Gln-Leu-Met-Ile-Ile-
601 Phe-Glu-Gly-Asn-Asp-Leu-Arg-Ile-Ser-Thr-
611 Ala-Tyr-Lys-Glu-Val-Tyr-Leu-Glu-Pro-Ser-
621 Glu-Glu-His-Val-Glu-Glu-Val-Ser-Leu-Lys-
631 Glu-Glu-Ala-Phe-Thr-Ile-His-Gly-Thr-Asn-
641 Leu-Pro-Val-Thr-Arg-Lys-Asp-Phe-Met-Ile-
651 Val-Leu-Thr-Asn-Leu-Gly-Glu-Ile-Leu-Ile-
661 Gln-Ile-Thr-Tyr-Asn-Leu-Gly-Met-Asp-Ala-
671 Ile-Phe-Arg-Leu-Ser-Ser-Val-Asn-Leu-Glu-
681 Ser-Pro-Val-Pro-Tyr-Pro-Thr-Asp-Arg-Arg-
691 Ile-Ala-Thr-Asp-Val-Glu-Val-Cys-Gln-Cys-
701 Pro-Pro-Gly-Tyr-Ser-Gly-Ser-Ser-Cys-Glu-
711 Thr-Cys-Trp-Pro-Arg-His-Arg-Arg-Val-Asn-
721 Gly-Thr-Ile-Phe-Gly-Gly-Ile-Cys-Glu-Pro-
731 Cys-Gln-Cys-Phe-Ala-His-Ala-Glu-Ala-Cys-
741 Asp-Asp-Ile-Thr-Gly-Glu-Cys-Leu-Asn-Cys-
751 Lys-Asp-His-Thr-Gly-Gly-Pro-Tyr-Cys-Asn-
761 Glu-Cys-Leu-Pro-Gly-Phe-Tyr-Gly-Asp-Pro-
771 Thr-Arg-Gly-Ser-Pro-Glu-Asp-Cys-Gln-Pro-
781 Cys-Ala-Cys-Pro-Leu-Asn-Ile-Pro-Ser-Asn-
791 Asn-Phe-Ser-Pro-Thr-Cys-His-Leu-Asp-Arg-
801 Ser-Leu-Gly-Leu-Ile-Cys-Asp-Glu-Cys-Pro-
811 Ile-Gly-Tyr-Thr-Gly-Pro-Arg-Cys-Glu-Arg-
821 Cys-Ala-Glu-Gly-Tyr-Phe-Gly-Gln-Pro-Ser-
831 Val-Pro-Gly-Gly-Ser-Cys-Gln-Pro-Cys-Gln-
841 Cys-Asn-Asp-Asn-Leu-Asp-Tyr-Ser-Ile-Pro-
851 Gly-Ser-Cys-Asp-Ser-Leu-Ser-Gly-Ser-Cys-
861 Leu-Ile-Cys-Lys-Pro-Gly-Thr-Thr-Ala-Arg-
871 Tyr-Cys-Glu-Leu-Cys-Ala-Asp-Gly-Tyr-Phe-
881 Gly-Asp-Ala-Val-Asn-Thr-Lys-Asn-Cys-Gln-
891 Pro-Cys-Arg-Cys-Asp-Ile-Asn-Gly-Ser-Phe-
901 Ser-Glu-Asp-Cys-His-Thr-Arg-Thr-Gly-Gln-
911 Cys-Glu-Cys-Arg-Pro-Asn-Val-Gln-Gly-Arg-

921 His-Cys-Asp-Glu-Glu-Cys-Lys-Pro-Glu-Thr-Phe-
931 Gly-Leu-Gln-Leu-Gly-Arg-Gly-Cys-Leu-Pro-
941 Cys-Asn-Cys-Asn-Ser-Phe-Gly-Ser-Lys-Ser-
951 Phe-Asp-Cys-Glu-Ala-Ser-Gly-Gln-Cys-Trp-
961 Cys-Gln-Pro-Gly-Val-Ala-Gly-Lys-Cys-Cys-
971 Asp-Arg-Cys-Ala-His-Gly-Tyr-Phe-Asn-Phe-
981 Gln-Glu-Gly-Gly-Cys-Ile-Ala-Cys-Asp-Cys-
991 Ser-His-Leu-Gly-Asn-Asn-Cys-Asp-Pro-Lys-
1001 Thr-Gly-Gln-Cys-Ile-Cys-Pro-Pro-Asn-Thr-
1011 Thr-Gly-Glu-Lys-Cys-Ser-Glu-Cys-Leu-Pro-
1021 Asn-Thr-Trp-Gly-His-Ser-Ile-Val-Thr-Gly-
1031 Cys-Lys-Val-Cys-Asn-Cys-Ser-Thr-Val-Gly-
1041 Ser-Leu-Ala-Ser-Gln-Cys-Asn-Val-Asn-Thr-
1051 Gly-Gln-Cys-Ser-Cys-His-Pro-Lys-Phe-Ser-
1061 Gly-Met-Lys-Cys-Ser-Glu-Cys-Ser-Arg-Gly-
1071 His-Trp-Asn-Tyr-Pro-Leu-Cys-Thr-Leu-Cys-
1081 Asp-Cys-Phe-Leu-Pro-Gly-Thr-Asp-Ala-Thr-
1091 Thr-Cys-Asp-Leu-Glu-Thr-Arg-Lys-Cys-Ser-
1101 Cys-Ser-Asp-Gln-Thr-Gly-Gln-Cys-Ser-Cys-
1111 Lys-Val-Asn-Val-Glu-Gly-Val-His-Cys-Asp-
1121 Arg-Cys-Arg-Pro-Gly-Lys-Phe-Gly-Leu-Asp-
1131 Ala-Lys-Asn-Pro-Leu-Gly-Cys-Ser-Ser-Cys-
1141 Tyr-Cys-Phe-Gly-Val-Thr-Ser-Gln-Cys-Ser-
1151 Glu-Ala-Lys-Gly-Leu-Ile-Arg-Thr-Trp-Val-
1161 Thr-Leu-Ser-Asp-Glu-Gln-Thr-Ile-Leu-Pro-
1171 Leu-Val-Asp-Glu-Ala-Leu-Gln-His-Thr-Thr-
1181 Thr-Lys-Gly-Ile-Ala-Phe-Gln-Lys-Pro-Glu-
1191 Ile-Val-Ala-Lys-Met-Asp-Glu-Val-Arg-Gln-
1201 Glu-Leu-His-Leu-Glu-Pro-Phe-Tyr-Trp-Lys-
1211 Leu-Pro-Gln-Glu-Phe-Glu-Gly-Lys-Leu-
1221 Met-Ala-Tyr-Gly-Gly-Lys-Leu-Lys-Tyr-Ala-
1231 Ile-Tyr-Phe-Glu-Ala-Arg-Asp-Glu-Thr-Gly-
1241 Phe-Ala-Thr-Tyr-Lys-Pro-Gln-Val-Ile-Ile-
1251 Arg-Gly-Gly-Thr-Pro-Thr-His-Ala-Arg-Ile-
1261 Ile-Thr-Arg-His-Met-Ala-Ala-Pro-Leu-Ile-
1271 Gly-Gln-Leu-Thr-Arg-His-Glu-Ile-Glu-Met-
1281 Thr-Glu-Lys-Glu-Trp-Lys-Tyr-Tyr-Gly-Asp-
1291 Asp-Pro-Arg-Ile-Ser-Arg-Thr-Val-Thr-Arg-
1301 Glu-Asp-Phe-Leu-Asp-Ile-Leu-Tyr-Asp-Ile-
1311 His-Tyr-Ile-Leu-Ile-Lys-Ala-Thr-Tyr-Gly-
1321 Asn-Val-Val-Arg-Gln-Ser-Arg-Ile-Ser-Glu-
1331 Ile-Ser-Met-Glu-Val-Ala-Glu-Pro-Gly-His-
1341 Val-Leu-Ala-Gly-Ser-Cys-Pro-Ala-His-Leu-
1351 Ile-Glu-Arg-Cys-Asp-Cys-Pro-Pro-Gly-Tyr-
1361 Ser-Gly-Leu-Ser-Cys-Glu-Thr-Cys-Ala-Pro-
1371 Gly-Phe-Tyr-Arg-Leu-Arg-Ser-Glu-Pro-Gly-
1381 Gly-Arg-Thr-Pro-Gly-Pro-Thr-Leu-Gly-Thr-
1391 Cys-Val-Pro-Cys-Gln-Cys-Asn-Gly-His-Ser-
1401 Ser-Gln-Cys-Asp-Pro-Glu-Thr-Ser-Val-Cys-
1411 Gln-Asn-Cys-Gln-His-His-Thr-Ala-Gly-Asp-
1421 Phe-Cys-Glu-Arg-Cys-Ala-Leu-Gly-Tyr-Tyr-
1431 Gly-Ile-Val-Arg-Gly-Leu-Pro-Asn-Asp-Cys-
1441 Gln-Pro-Cys-Ala-Cys-Pro-Leu-Ile-Ser-Pro-
1451 Ser-Asn-Asn-Phe-Ser-Pro-Ser-Cys-Val-Leu-
1461 Glu-Gly-Leu-Glu-Asp-Tyr-Arg-Cys-Thr-Ala-
1471 Cys-Pro-Arg-Gly-Tyr-Glu-Gly-Gln-Tyr-Cys-
1481 Glu-Arg-Cys-Ala-Pro-Gly-Tyr-Thr-Gly-Ser-

1491 Pro-Ser-Ser-Pro-Gly-Gly-Ser-Cys-Gln-Glu-
1501 Cys-Glu-Cys-Asp-Pro-Tyr-Gly-Ser-Leu-Pro-
1511 Val-Pro-Cys-Asp-Arg-Val-Thr-Gly-Leu-Cys-
1521 Thr-Cys-Arg-Pro-Gly-Ala-Thr-Gly-Arg-Lys-
1531 Cys-Asp-Gly-Cys-Glu-His-Tyr-His-Ala-Arg-
1541 Glu-Gly-Ala-Glu-Cys-Val-Phe-Cys-Gly-Asp-
1551 Glu-Cys-Thr-Gly-Leu-Leu-Leu-Gly-Asp-Leu-
1561 Ala-Arg-Leu-Glu-Gln-Met-Thr-Met-Asn-Ile-
1571 Asn-Leu-Thr-Gly-Pro-Leu-Pro-Ala-Pro-Tyr-
1581 Lys-Ile-Leu-Tyr-Gly-Leu-Glu-Asn-Thr-Thr-
1591 Gln-Glu-Leu-Lys-His-Leu-Leu-Ser-Pro-Gln-
1601 Arg-Ala-Pro-Glu-Arg-Leu-Ile-Gln-Leu-Ala-
1611 Glu-Gly-Asn-Val-Asn-Thr-Leu-Val-Met-Glu-
1621 Thr-Asn-Glu-Leu-Leu-Thr-Arg-Ala-Thr-Lys-
1631 Val-Thr-Ala-Asp-Gly-Glu-Gln-Thr-Gly-Gln-
1641 Asp-Ala-Glu-Arg-Thr-Asn-Ser-Arg-Ala-Glu-
1651 Ser-Leu-Glu-Glu-Phe-Ile-Lys-Gly-Leu-Val-
1661 Gln-Asp-Ala-Glu-Ala-Ile-Asn-Glu-Lys-Ala-
1671 Val-Lys-Leu-Asn-Glu-Thr-Leu-Gly-Asn-Gln-
1681 Asp-Lys-Thr-Ala-Arg-Asn-Leu-Glu-Glu-
1691 Leu-Gln-Lys-Glu-Ile-Asp-Arg-Met-Leu-Lys-
1701 Glu-Leu-Arg-Ser-Lys-Asp-Leu-Gln-Thr-Gln-
1711 Lys-Glu-Val-Ala-Glu-Asp-Glu-Leu-Val-Ala-
1721 Ala-Glu-Gly-Leu-Leu-Lys-Arg-Val-Asn-Lys-
1731 Leu-Phe-Gly-Glu-Pro-Arg-Ala-Gln-Asn-Lys-
1741 Asp-Met-Glu-Lys-Asp-Leu-Gln-Gln-Lys-Leu-
1751 Ala-Glu-Tyr-Lys-Asn-Lys-Leu-Asp-Asp-Ala-
1761 Trp-Asp-Leu-Leu-Arg-Glu-Ala-Thr-Asp-Lys-
1771 Thr-Arg-Asp-Ala-Asn-Arg-Leu-Ser-Ala-Ala-
1781 Asn-Gln-Lys-Asn-Met-Thr-Ile-Leu-Glu-Thr-
1791 Lys-Lys-Glu-Ala-Ile-Glu-Gly-Ser-Lys-Arg-
1801 Gln-Ile-Glu-Asn-Thr-Leu-Lys-Glu-Gly-Asn-
1811 Asp-Ile-Leu-Asp-Glu-Ala-Asn-Gln-Leu-Leu-
1821 Gly-Glu-Ile-Asn-Ser-Val-Ile-Asp-Tyr-Val-
1831 Asp-Asp-Ile-Lys-Thr-Lys-Leu-Pro-Pro-Met-
1841 Ser-Glu-Glu-Leu-Ser-Asp-Lys-Ile-Asp-Asp-
1851 Leu-Ala-Gln-Glu-Ile-Lys-Asp-Arg-Arg-Leu-
1861 Ala-Glu-Lys-Val-Phe-Gln-Ala-Glu-Ser-His-
1871 Ala-Ala-Gln-Leu-Asn-Asp-Ser-Ser-Ala-Val-
1881 Leu-Asp-Gly-Ile-Leu-Asp-Glu-Ala-Lys-Asn-
1891 Ile-Ser-Phe-Asn-Ala-Thr-Ala-Ala-Phe-Arg-
1901 Ala-Tyr-Ser-Asn-Ile-Lys-Asp-Tyr-Ile-Asp-
1911 Glu-Ala-Glu-Lys-Val-Ala-Arg-Glu-Ala-Lys-
1921 Glu-Leu-Ala-Gln-Gly-Ala-Thr-Lys-Leu-Ala-
1931 Thr-Ser-Pro-Gln-Gly-Leu-Leu-Lys-Glu-Asp-
1941 Ala-Lys-Gly-Ser-Leu-Gln-Lys-Ser-Phe-Arg-
1951 Ile-Leu-Asn-Glu-Ala-Lys-Lys-Leu-Ala-Asn-
1961 Asp-Val-Lys-Gly-Asn-His-Asn-Asp-Leu-Asn-
1971 Asp-Leu-Lys-Thr-Arg-Leu-Glu-Thr-Ala-Asp-
1981 Leu-Arg-Asn-Ser-Gly-Leu-Leu-Gly-Ala-Leu-
1991 Asn-Asp-Thr-Met-Asp-Lys-Leu-Ser-Ala-Ile-
2001 Thr-Asn-Asp-Thr-Ala-Ala-Lys-Leu-Gln-Ala-
2011 Val-Lys-Glu-Lys-Ala-Arg-Glu-Ala-Asn-Asp-
2021 Thr-Ala-Lys-Ala-Val-Leu-Ala-Gln-Val-Lys-
2031 Asp-Leu-His-Gln-Asn-Leu-Asp-Gly-Leu-Lys-
2041 Gln-Asn-Tyr-Asn-Lys-Leu-Ala-Asp-Ser-Val-
2051 Ala-Lys-Thr-Asn-Ala-Val-Val-Lys-Asp-Pro-

2061 Ser-Lys-Asn-Lys-Ile-Ile-Ala-Asp-Ala-Gly-
2071 Thr-Ser-Val-Arg-Asn-Leu-Glu-Gln-Glu-Ala-
2081 Asp-Arg-Leu-Ile-Asp-Lys-Leu-Lys-Pro-Ile-
2091 Lys-Glu-Leu-Glu-Asp-Asn-Leu-Lys-Asn-
2101 Ile-Ser-Glu-Ile-Lys-Glu-Leu-Ile-Asn-Gln-
2111 Ala-Arg-Lys-Gln-Ala-Asn-Ser-Ile-Lys-Val-
2121 Ser-Val-Ser-Ser-Gly-Gly-Asp-Cys-Val-Arg-
2131 Thr-Tyr-Arg-Pro-Glu-Ile-Lys-Lys-Gly-Ser-
2141 Tyr-Asn-Asn-Ile-Val-Val-His-Val-Lys-Thr-
2151 Ala-Val-Ala-Asp-Asn-Leu-Leu-Phe-Tyr-Leu-
2161 Gly-Ser-Ala-Lys-Phe-Ile-Asp-Phe-Leu-Ala-
2171 Ile-Glu-Met-Arg-Lys-Gly-Lys-Val-Ser-Phe-
2181 Leu-Tyr-Ile-Val-Gly-Ser-Gly-Val-Gly-Arg-
2191 Val-Gly-Phe-Pro-Asp-Leu-Thr-Ile-Asp-Asp-
2201 Ser-Tyr-Tyr-Arg-Ile-Glu-Ala-Ser-Arg-
2211 Thr-Gly-Arg-Asn-Gly-Ser-Ile-Ser-Val-Arg-
2221 Ala-Leu-Asp-Gly-Pro-Lys-Ala-Ser-Met-Val-
2231 Pro-Ser-Thr-Tyr-His-Ser-Val-Ser-Pro-Pro-
2241 Gly-Tyr-Thr-Ile-Leu-Asp-Val-Asp-Ala-Asn-
2251 Ala-Met-Leu-Phe-Val-Gly-Glu-Leu-Thr-Gly-
2261 Lys-Ile-Lys-Lys-Ala-Asp-Ala-Val-Arg-Val-
2271 Ile-Thr-Phe-Thr-Gly-Cys-Met-Gly-Glu-Thr-
2281 Tyr-Phe-Asp-Asn-Lys-Pro-Ile-Gly-Leu-Trp-
2291 Asn-Phe-Arg-Glu-Lys-Glu-Gly-Asp-Cys-Lys-
2301 Gly-Cys-Thr-Val-Ser-Pro-Gln-Val-Glu-Asp-
2311 Ser-Glu-Gly-Thr-Ile-Gln-Phe-Asp-Gly-Glu-
2321 Gly-Tyr-Ala-Leu-Val-Ser-Arg-Pro-Ile-Arg-
2331 Trp-Tyr-Pro-Asn-Ile-Ser-Thr-Val-Met-Phe-
2341 Lys-Phe-Arg-Thr-Phe-Ser-Ser-Ser-Ala-Leu-
2351 Leu-Met-Tyr-Leu-Ala-Thr-Arg-Asp-Leu-Lys-
2361 Asp-Phe-Met-Ser-Val-Glu-Leu-Ser-Asp-Gly-
2371 His-Val-Lys-Val-Ser-Tyr-Asp-Leu-Gly-Ser-
2381 Gly-Met-Thr-Ser-Val-Val-Ser-Asn-Gln-Asn-
2391 His-Asn-Asp-Gly-Lys-Tyr-Lys-Ala-Phe-Thr-
2401 Leu-Ser-Arg-Ile-Gln-Lys-Gln-Ala-Asn-Ile-
2411 Ser-Ile-Val-Asp-Ile-Asp-Ser-Asn-Gln-Glu-
2421 Glu-Asn-Val-Ala-Thr-Ser-Ser-Ser-Gly-Asn-
2431 Asn-Phe-Gly-Leu-Asp-Leu-Lys-Ala-Asp-Asp-
2441 Lys-Ile-Tyr-Phe-Gly-Gly-Leu-Pro-Thr-Leu-
2451 Arg-Asn-Leu-Ser-Met-Lys-Ala-Arg-Pro-Glu-
2461 Val-Asn-Val-Lys-Lys-Tyr-Ser-Gly-Cys-Leu-
2471 Lys-Asp-Ile-Glu-Ile-Ser-Arg-Thr-Pro-Tyr-

HITS At: 501-508

L7 ANSWER 26 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN AAB19795 Protein DGENE
TI Purified laminin 2 protein, useful for research and therapeutic purposes
including peripheral nerve regeneration, treatment of degenerative muscle
disorders, angiogenesis regulation, and ex vivo cell therapy -
IN Yurchenco P UNIT NEW JERSEY MEDICINE & DENTISTRY.
PA (NY:NE-N) *****NO 200006730 A2 20001109 305p***
PI WO 2000-US11378 20000428
AI US 1999-131720 19990430
PRAI US 1999-139198 19990615
US 1999-143289 19990712
US 1999-155945 19990924

DI Patent
LA English
OS 2000-687537 (67)
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DESC Mouse lamhin 2 alpha-2 chain.
AN AA19795 Protein DQENF
AA 186A; 163R; 164N; 181D; 0 B; 161C; 124Q; 207E; 0 Z; 258G; 65 H; 167I;
245L; 171K; 44 M; 101F; 176P; 208S; 190T; 27 W; 99 Y; 165V; 0 Others
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3106

1 Met-Pro-Ala-Ala-Thr-Ala-Gly-Ile-Leu-Leu-
11 Leu-Leu-Leu-Leu-Gly-Thr-Leu-Glu-Gly-Ser-
21 Gln-Thr-Gln-Arg-Arg-Gln-Ser-Gln-Ala-His-
31 Gln-Gln-Arg-Gly-Leu-Phe-Pro-Ala-Val-Leu-
41 Asn-Leu-Ala-Ser-Asn-Ala-Leu-Ile-Thr-Thr-
51 Asn-Ala-Thr-Cys-Gly-Glu-Lys-Gly-Pro-Glu-
61 Met-Tyr-Cys-Lys-Leu-Val-Glu-His-Val-Pro-
71 Gly-Gln-Pro-Val-Arg-Asn-Pro-Gln-Cys-Arg-
81 Ile-Cys-Asn-Gln-Asn-Ser-Ser-Asn-Pro-Tyr-
91 Gln-Arg-His-Pro-Ile-Thr-Asn-Ala-Ile-Asp-
101 Gly-Lys-Asn-Thr-Tyr-Tyr-Gln-Ser-Pro-Ser-
111 Ile-Lys-Asn-Gly-Val-Glu-Tyr-His-Tyr-Val-
121 Thr-Ile-Thr-Leu-Asp-Leu-Gln-Gln-Val-Phe-
131 Gln-Ile-Ala-Tyr-Val-Ile-Val-Lys-Ala-Ala-
141 Asn-Ser-Pro-Arg-Pro-Gly-Asn-Tyr-Ile-Leu-
151 Glu-Arg-Ser-Leu-Asp-Asp-Val-Glu-Tyr-Lys-
161 Pro-Tyr-Gln-Tyr-His-Ala-Val-Thr-Asp-Thr-
171 Glu-Cys-Leu-Thr-Leu-Tyr-Asn-Ile-Tyr-Pro-
181 Arg-Thr-Gly-Pro-Pro-Ser-Tyr-Ala-Lys-Asp-
191 Asp-Glu-Val-Ile-Cys-Thr-Ser-Phe-Tyr-Ser-
201 Lys-Ile-His-Pro-Leu-Glu-Asn-Gly-Glu-Ile-
211 His-Ile-Ser-Leu-Ile-Asn-Gly-Arg-Pro-Ser-
221 Ala-Asp-Asp-Pro-Ser-Pro-Glu-Leu-Leu-Glu-
231 Phe-Thr-Ser-Ala-Arg-Tyr-Ile-Arg-Leu-Arg-
241 Phe-Gln-Arg-Ile-Arg-Thr-Leu-Asn-Ala-Asp-
251 Leu-Met-Met-Phe-Ala-His-Lys-Asp-Pro-Arg-
261 Glu-Ile-Asp-Pro-Ile-Val-Thr-Arg-Arg-Tyr-
271 Tyr-Tyr-Ser-Val-Lys-Asp-Ile-Ser-Val-Gly-
281 Gly-Met-Cys-Ile-Cys-Tyr-Gly-His-Ala-Arg-
291 Ala-Cys-Pro-Leu-Asp-Pro-Ala-Thr-Asn-Lys-
301 Ser-Arg-Cys-Glu-Cys-Glu-His-Asn-Cys-
311 Gly-Glu-Ser-Cys-Asp-Arg-Cys-Cys-Pro-Gly-
321 Phe-His-Gln-Lys-Pro-Tyr-Arg-Ala-Gly-Thr-
331 Phe-Leu-Thr-Lys-Ser-Glu-Cys-Glu-Ala-Cys-
341 Asn-Cys-His-Gly-Lys-Ala-Glu-Glu-Cys-Tyr-
351 Tyr-Asp-Glu-Thr-Val-Ala-Ser-Arg-Asn-Leu-
361 Ser-Leu-Asn-Ile-His-Gly-Lys-Tyr-Ile-Gly-
371 Gly-Gly-Val-Cys-Ile-Asn-Cys-Thr-His-Asn-
381 Thr-Ala-Gly-Ile-Asn-Cys-Glu-Thr-Cys-Val-
391 Asp-Gly-Phe-Phe-Arg-Pro-Lys-Gly-Val-Ser-
401 Pro-Asn-Tyr-Pro-Arg-Pro-Cys-Gln-Pro-Cys-
411 His-Cys-Asp-Pro-Thr-Gly-Ser-Leu-Ser-Glu-
421 Val-Cys-Val-Lys-Asp-Glu-Lys-Tyr-Ala-Gln-
431 Arg-Gly-Leu-Lys-Pro-Gly-Ser-Cys-His-Cys-
441 Lys-Thr-Gly-Phe-Gly-Gly-Val-Asn-Cys-Asp-
451 Arg-Cys-Val-Arg-Gly-Tyr-His-Gly-Tyr-Pro-
461 Asp-Cys-Gln-Pro-Cys-Asn-Cys-Ser-Gly-Leu-

471 Gly-Ser-Thr-Asn-Glu-Asp-Pro-Cys-Val-Gly-
481 Pro-Cys-Ser-Cys-Lys-Glu-Asn-Val-Glu-Gly-
491 Glu-Asp-Cys-Ser-Arg-Cys-Lys-Ser-Gly-Phe-
501 Phe-Asn-Leu-Gln-Glu-Asp-Asn-Gln-Lys-Gly-
511 Cys-Glu-Glu-Cys-Phe-Cys-Ser-Gly-Val-Ser-
521 Asn-Arg-Cys-Gln-Ser-Ser-Tyr-Tyr-Thr-Tyr-
531 Gly-Asn-Ile-Gln-Asp-Met-Arg-Gly-Tyr-Tyr-
541 Leu-Thr-Asp-Leu-Ser-Gly-Arg-Ile-Arg-Met-
551 Ala-Pro-Gln-Leu-Asp-Asn-Pro-Asp-Ser-Pro-
561 Gln-Gln-Ile-Ser-Ile-Ser-Asn-Ser-Gln-Ala-
571 Arg-Lys-Ser-Leu-Leu-Asp-Gly-Tyr-Tyr-Tyr-
581 Ser-Ala-Pro-Pro-Tyr-Leu-Gly-Asn-Arg-
591 Leu-Pro-Ala-Val-Gly-Gly-Gln-Leu-Ser-Phe-
601 Thr-Ile-Ser-Tyr-Asp-Leu-Glu-Glu-Glu-
611 Asp-Asp-Thr-Glu-Lys-Leu-Leu-Glu-Leu-Met-
621 Ile-Ile-Phe-Glu-Gly-Asn-Asp-Leu-Arg-Ile-
631 Ser-Thr-Ala-Tyr-Lys-Glu-Val-Tyr-Leu-Glu-
641 Pro-Ser-Glu-Glu-His-Val-Glu-Glu-Val-Ser-
651 Leu-Lys-Glu-Glu-Ala-Phe-Thr-Ile-His-Gly-
661 Thr-Asn-Leu-Pro-Val-Thr-Arg-Lys-Asp-Phe-
671 Met-Ile-Val-Leu-Thr-Asn-Leu-Gly-Glu-Ile-
681 Leu-Ile-Gln-Ile-Thr-Tyr-Asn-Leu-Gly-Met-
691 Asp-Ala-Ile-Phe-Arg-Leu-Ser-Ser-Val-Asn-
701 Leu-Glu-Ser-Pro-Val-Pro-Tyr-Pro-Thr-Asp-
711 Arg-Arg-Ile-Ala-Thr-Asp-Val-Glu-Val-Cys-
721 Gln-Cys-Pro-Pro-Gly-Tyr-Ser-Gly-Ser-Ser-
731 Cys-Glu-Thr-Cys-Tyr-Pro-Arg-His-Arg-Arg-
741 Val-Asn-Gly-Thr-Ile-Phe-Gly-Gly-Ile-Glu-
751 Glu-Pro-Cys-Gln-Cys-Phe-Ala-His-Ala-Cys-
761 Ala-Cys-Asp-Asp-Ile-Thr-Gly-Glu-Cys-Leu-
771 Asn-Cys-Lys-Asp-His-Thr-Gly-Gly-Pro-Tyr-
781 Cys-Asn-Glu-Cys-Leu-Pro-Gly-Phe-Tyr-Gly-
791 Asp-Pro-Thr-Arg-Gly-Ser-Pro-Glu-Asp-Cys-
801 Gln-Pro-Cys-Ala-Cys-Pro-Leu-Asn-Ile-Pro-
811 Ser-Asn-Asn-Phe-Ser-Pro-Thr-Cys-His-Leu-
821 Asp-Arg-Ser-Leu-Gly-Leu-Ile-Cys-Asp-Glu-
831 Cys-Pro-Ile-Gly-Tyr-Thr-Gly-Pro-Arg-Cys-
841 Glu-Arg-Cys-Ala-Glu-Gly-Tyr-Phe-Gly-Gln-
851 Pro-Ser-Val-Pro-Gly-Gly-Ser-Cys-Gln-Pro-
861 Cys-Gln-Cys-Asn-Asp-Asn-Leu-Asp-Tyr-Ser-
871 Ile-Pro-Gly-Ser-Cys-Asp-Ser-Leu-Ser-Gly-
881 Ser-Cys-Leu-Ile-Cys-Lys-Pro-Gly-Thr-Thr-
891 Gly-Arg-Tyr-Cys-Glu-Leu-Cys-Ala-Asp-Gly-
901 Tyr-Phe-Gly-Asp-Ala-Val-Asn-Thr-Lys-Asn-
911 Cys-Gln-Pro-Cys-Arg-Cys-Asp-Ile-Asn-Gly-
921 Ser-Phe-Ser-Glu-Asp-Cys-His-Thr-Arg-Thr-
931 Gly-Gln-Cys-Glu-Cys-Arg-Pro-Asn-Val-Gln-
941 Gly-Arg-His-Cys-Asp-Glu-Cys-Lys-Pro-Glu-
951 Thr-Phe-Gly-Leu-Gln-Leu-Gly-Arg-Gly-Cys-
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971 Lys-Ser-Phe-Asp-Cys-Glu-Ala-Ser-Gly-Gln-
981 Cys-Tyr-Cys-Gln-Pro-Gly-Val-Ala-Gly-Lys-
991 Lys-Cys-Asp-Arg-Cys-Ala-His-Gly-Tyr-Phe-
1001 Asn-Phe-Gln-Glu-Gly-Gly-Cys-Ile-Ala-Cys-
1011 Asp-Cys-Ser-His-Leu-Gly-Asn-Asn-Cys-Asp-
1021 Pro-Lys-Thr-Gly-Gln-Cys-Ile-Cys-Pro-Pro-

1031 Asn-Thr-Thr-Gly-Glu-Lys-Cys-Ser-Glu-Cys-
1041 Leu-Pro-Asn-Thr-Trp-Gly-His-Ser-Ile-Val-
1051 Thr-Gly-Cys-Lys-Val-Cys-Asn-Cys-Ser-Thr-
1061 Val-Gly-Ser-Leu-Ala-Ser-Gln-Cys-Asn-Val-
1071 Asn-Thr-Gly-Gln-Cys-Ser-Cys-His-Pro-Val-
1081 Phe-Ser-Gly-Met-Lys-Cys-Ser-Glu-Cys-Ser-
1091 Arg-Gly-His-Trp-Asn-Tyr-Pro-Leu-Cys-Thr-
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1111 Ala-Thr-Thr-Cys-Asp-Leu-Glu-Thr-Arg-Lys-
1121 Cys-Ser-Cys-Ser-Asp-Gln-Thr-Gly-Gln-Cys-
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1211 Pro-Glu-Ile-Val-Ala-Lys-Met-Asp-Glu-Val-
1221 Arg-Gln-Glu-Leu-His-Leu-Glu-Pro-Phe-Tyr-
1231 Trp-Lys-Leu-Pro-Gln-Gln-Phe-Glu-Gly-Lys-
1241 Lys-Leu-Met-Ala-Tyr-Gly-Gly-Lys-Leu-Lys-
1251 Tyr-Ala-Ile-Tyr-Phe-Glu-Ala-Arg-Asp-Glu-
1261 Thr-Gly-Phe-Ala-Thr-Tyr-Lys-Pro-Gln-Val-
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1281 Arg-Ile-Ile-Thr-Arg-His-Met-Ala-Ala-Pro-
1291 Leu-Ile-Gly-Gln-Leu-Thr-Arg-His-Glu-Ile-
1301 Glu-Met-Thr-Glu-Lys-Glu-Trp-Lys-Tyr-Tyr-
1311 Gly-Asp-Asp-Pro-Arg-Ile-Ser-Arg-Thr-Val-
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1331 Asp-Ile-His-Tyr-Ile-Leu-Ile-Lys-Ala-Thr-
1341 Tyr-Gly-Asn-Val-Val-Arg-Gln-Ser-Arg-Ile-
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1371 His-Leu-Ile-Glu-Arg-Cys-Asp-Cys-Pro-Pro-
1381 Gly-Tyr-Ser-Gly-Leu-Ser-Cys-Glu-Thr-Cys-
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1561 Ala-Arg-Glu-Gly-Ala-Glu-Cys-Val-Phe-Cys-
1571 Gly-Asp-Glu-Cys-Thr-Gly-Leu-Leu-Gly-
1581 Asp-Leu-Ala-Arg-Leu-Glu-Gln-Met-Thr-Met-
1591 Asn-Ile-Asn-Leu-Thr-Gly-Pro-Leu-Pro-Ala-

1601 Pro-Tyr-Lys-Ile-Leu-Tyr-Gly-Leu-Glu-Asn-
1611 Thr-Thr-Gln-Glu-Leu-Lys-His-Leu-Leu-Ser-
1621 Pro-Gln-Arg-Ala-Pro-Glu-Arg-Leu-Ile-Gln-
1631 Leu-Ala-Glu-Gly-Asn-Val-Asn-Thr-Leu-Val-
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1721 Leu-Lys-Glu-Leu-Arg-Ser-Lys-Asp-Leu-Gln-
1731 Thr-Gln-Lys-Glu-Val-Ala-Glu-Asp-Glu-Leu-
1741 Val-Ala-Ala-Glu-Gly-Leu-Leu-Lys-Arg-Val-
1751 Asn-Lys-Leu-Phe-Gly-Glu-Pro-Arg-Ala-Gln-
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1781 Asp-Ala-Trp-Asp-Leu-Leu-Arg-Glu-Ala-Thr-
1791 Asp-Lys-Thr-Arg-Asp-Ala-Asn-Arg-Leu-Ser-
1801 Ala-Ala-Asn-Gln-Lys-Asn-Met-Thr-Ile-Leu-
1811 Glu-Thr-Lys-Lys-Glu-Ala-Ile-Glu-Gly-Ser-
1821 Lys-Arg-Gln-Ile-Glu-Asn-Thr-Leu-Lys-Glu-
1831 Gly-Asn-Asp-Ile-Leu-Asp-Glu-Ala-Asn-Gln-
1841 Leu-Leu-Gly-Glu-Ile-Asn-Ser-Val-Ile-Asp-
1851 Tyr-Val-Asp-Asp-Ile-Lys-Thr-Lys-Leu-Pro-
1861 Pro-Met-Ser-Glu-Glu-Leu-Ser-Asp-Lys-Ile-
1871 Asp-Asp-Leu-Ala-Gln-Glu-Ile-Lys-Asp-Arg-
1881 Arg-Leu-Ala-Glu-Lys-Val-Phe-Glu-Ala-Glu-
1891 Ser-His-Ala-Ala-Gln-Leu-Asn-Asp-Ser-Ser-
1901 Ala-Val-Leu-Asp-Gly-Ile-Leu-Asp-Glu-Ala-
1911 Lys-Asn-Ile-Ser-Phe-Asn-Ala-Thr-Ala-Ala-
1921 Phe-Arg-Ala-Tyr-Ser-Asn-Ile-Lys-Asp-Tyr-
1931 Ile-Asp-Glu-Ala-Glu-Lys-Val-Ala-Arg-Glu-
1941 Ala-Lys-Glu-Leu-Ala-Gln-Gly-Ala-Thr-Lys-
1951 Leu-Ala-Thr-Ser-Pro-Gln-Gly-Leu-Leu-Lys-
1961 Glu-Asp-Ala-Lys-Gly-Ser-Leu-Gln-Lys-Ser-
1971 Phe-Arg-Ile-Leu-Asn-Glu-Ala-Lys-Lys-Leu-
1981 Ala-Asn-Asp-Val-Lys-Gly-Asn-His-Asn-Asp-
1991 Leu-Asn-Asp-Leu-Lys-Thr-Arg-Leu-Glu-Thr-
2001 Ala-Asp-Leu-Arg-Asn-Ser-Gly-Leu-Leu-Gly-
2011 Ala-Leu-Asn-Asp-Thr-Met-Asp-Lys-Leu-Ser-
2021 Ala-Ile-Thr-Asn-Asp-Thr-Ala-Ala-Lys-Leu-
2031 Gln-Ala-Val-Lys-Glu-Lys-Thr-Ala-Arg-Glu-Ala-
2041 Asn-Asp-Thr-Ala-Lys-Ala-Val-Leu-Ala-Gln-
2051 Val-Lys-Asp-Leu-His-Gln-Asn-Leu-Asp-Gly-
2061 Leu-Lys-Gln-Asn-Tyr-Asn-Lys-Leu-Ala-Asp-
2071 Ser-Val-Ala-Lys-Thr-Asn-Ala-Val-Val-Lys-
2081 Asp-Pro-Ser-Lys-Asn-Lys-Ile-Ile-Ala-Asp-
2091 Ala-Gly-Thr-Ser-Val-Arg-Asn-Leu-Glu-Gln-
2101 Glu-Ala-Asp-Arg-Leu-Ile-Asp-Lys-Leu-Lys-
2111 Pro-Ile-Lys-Glu-Leu-Glu-Asp-Asn-Leu-Lys-
2121 Lys-Asn-Ile-Ser-Glu-Ile-Lys-Glu-Leu-Ile-
2131 Asn-Gln-Ala-Arg-Lys-Gln-Ala-Asn-Ser-Ile-
2141 Lys-Val-Ser-Val-Ser-Ser-Gly-Gly-Asp-Cys-
2151 Val-Arg-Thr-Tyr-Arg-Pro-Glu-Ile-Lys-Lys-
2161 Gly-Ser-Tyr-Asn-Asn-Ile-Val-Val-His-Val-

2171 Lys-Thr-Ala-Val-Ala-Asp-Asn-Leu-Phe-
 2181 Tyr-Leu-Gly-Ser-Ala-Lys-Phe-Ile-Asp-Phe-
 2191 Leu-Ala-Ile-Glu-Met-Arg-Lys-Gly-Lys-Val-
 2201 Ser-Phe-Leu-Tyr-Ile-Val-Gly-Ser-Gly-Val-
 2211 Gly-Arg-Val-Gly-Phe-Pro-Asp-Leu-Thr-Ile-
 2221 Asp-Asp-Ser-Tyr-Tyr-Arg-Ile-Glu-Ala-
 2231 Ser-Arg-Thr-Gly-Arg-Asn-Gly-Ser-Ile-Ser-
 2241 Val-Arg-Ala-Leu-Asp-Gly-Pro-Lys-Ala-Ser-
 2251 Met-Val-Pro-Ser-Thr-Tyr-His-Ser-Val-Ser-
 2261 Pro-Pro-Gly-Tyr-Thr-Ile-Leu-Asp-Val-Ser-
 2271 Ala-Asn-Ala-Met-Leu-Phe-Val-Gly-Gly-Leu-
 2281 Thr-Gly-Lys-Ile-Lys-Lys-Ala-Asp-Ala-Val-
 2291 Arg-Val-Ile-Thr-Phe-Thr-Gly-Cys-Met-Gly-
 2301 Glu-Thr-Tyr-Phe-Asp-Asn-Lys-Pro-Ile-Gly-
 2311 Leu-Tyr-Asn-Phe-Arg-Glu-Lys-Glu-Gly-Asp-
 2321 Cys-Lys-Gly-Cys-Thr-Val-Ser-Pro-Gln-Val-
 2331 Glu-Asp-Ser-Glu-Gly-Thr-Ile-Gln-Phe-Asp-
 2341 Gly-Glu-Gly-Tyr-Ala-Leu-Val-Ser-Phe-Pro-
 2351 Ile-Arg-Tyr-Tyr-Pro-Asn-Ile-Ser-Thr-Val-
 2361 Met-Phe-Lys-Phe-Arg-Thr-Phe-Ser-Ser-Ser-
 2371 Ala-Leu-Leu-Met-Tyr-Leu-Ala-Thr-Arg-Asp-
 2381 Leu-Lys-Asp-Phe-Met-Ser-Val-Glu-Leu-Ser-
 2391 Asp-Gly-His-Val-Lys-Val-Ser-Tyr-Asp-Leu-
 2401 Gly-Ser-Gly-Met-Thr-Ser-Val-Val-Ser-Asn-
 2411 Gln-Asn-His-Asn-Asp-Gly-Lys-Tyr-Lys-Ala-
 2421 Phe-Thr-Leu-Ser-Arg-Ile-Gln-Lys-Gln-Ala-
 2431 Asn-Ile-Ser-Ile-Val-Asp-Ile-Asp-Ser-Asn-
 2441 Gln-Glu-Glu-Asn-Val-Ala-Thr-Ser-Ser-Ser-
 2451 Gly-Asn-Asn-Phe-Gly-Leu-Asp-Leu-Lys-Ala-
 2461 Asp-Asp-Lys-Ile-Tyr-Phe-Gly-Gly-Leu-Pro-
 2471 Thr-Leu-Arg-Asn-Leu-Ser-Met-Lys-Ala-Arg-
 HITS RT: 523-530

FEATURE TABLE:
 Key | Location | Qualifier |
 =====
 Peptide 11..22 | label | Signal peptide
 Protein 123..3106 | label | Mature Protein

L7 ANSWER 27 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAB19794 Protein DGENE
 TI Purified laminin 2 protein, useful for research and therapeutic purposes
 including peripheral nerve regeneration, treatment of degenerative muscle
 disorders, angiogenesis regulation, and ex vivo cell therapy -
 Yurchenco P
 IN Yurchenco P UNIV NEW JERSEY MEDICINE & DENTISTRY.
 PA (UJNE-N) **WO 2000066730 A2 20001109 305p**
 P1 WO 2000-0511378 20000428
 PRAI US 1999-131720 19990430
 US 1999-139198 19990615
 US 1999-143289 19990712
 US 1999-155945 19990924
 DT Patent
 LA English

OS 2000-667537 [67]
 CR N-PSDB: AAB6894
 DESC Human laminin 2 mature alpha-2 chain.
 AN AAB19794 Protein DGENE
 AA 2021: 159R; 162N; 163D; 0 B; 162C; 1180; 202E; 0 Z; 255G; 71 H; 166I;
 239J; 184K; 45 W; 103F; 172P; 193S; 193T; 29 W; 96 Y; 154V; 0 Others
 SOL
 SEQ3
 3088

1 Gln-Arg-Pro-Gln-Gln-Gln-Arg-Gln-Ser-Gln-
 11 Ala-His-Gln-Gln-Arg-Gly-Leu-Phe-Pro-Ala-
 21 Val-Leu-Asn-Leu-Ala-Ser-Asn-Ala-Leu-Ile-
 31 Thr-Thr-Asn-Ala-Thr-Cys-Gly-Glu-Lys-Gly-
 41 Pro-Glu-Met-Tyr-Cys-Lys-Leu-Val-Glu-His-
 51 Val-Pro-Gly-Gln-Pro-Val-Arg-Asn-Pro-Gln-
 61 Cys-Arg-Ile-Cys-Asn-Gln-Asn-Ser-Ser-Asn-
 71 Pro-Asn-Gln-Arg-His-Pro-Ile-Thr-Asn-Ala-
 81 Ile-Asp-Gly-Lys-Asn-Thr-Tyr-Tyr-Gln-Ser-
 91 Pro-Ser-Ile-Lys-Asn-Gly-Ile-Glu-Tyr-His-
 101 Tyr-Val-Thr-Ile-Thr-Leu-Asp-Leu-Gln-Gln-
 111 Val-Phe-Gln-Ile-Ala-Tyr-Val-Ile-Val-Lys-
 121 Ala-Ala-Asn-Ser-Pro-Arg-Pro-Gly-Asn-Tyr-
 131 Ile-Leu-Glu-Arg-Ser-Leu-Asp-Asp-Val-Glu-
 141 Tyr-Lys-Pro-Tyr-Gln-Tyr-His-Ala-Val-Thr-
 151 Asp-Thr-Glu-Cys-Leu-Thr-Leu-Tyr-Asn-Ile-
 161 Tyr-Pro-Arg-Thr-Gly-Pro-Pro-Ser-Tyr-Ala-
 171 Lys-Asp-Asp-Glu-Val-Ile-Cys-Thr-Ser-Phe-
 181 Tyr-Ser-Lys-Ile-His-Pro-Leu-Glu-Asn-Gly-
 191 Glu-Ile-His-Ile-Ser-Leu-Ile-Asn-Gly-Arg-
 201 Pro-Ser-Ala-Asp-Asp-Pro-Ser-Pro-Glu-Leu-
 211 Leu-Glu-Phe-Thr-Ser-Ala-Arg-Tyr-Ile-Arg-
 221 Leu-Arg-Phe-Gln-Arg-Ile-Arg-Thr-Leu-Asn-
 231 Ala-Asp-Leu-Met-Met-Phe-Ala-His-Lys-Asp-
 241 Pro-Arg-Glu-Ile-Asp-Pro-Ile-Val-Thr-Arg-
 251 Arg-Tyr-Tyr-Ser-Val-Lys-Asp-Ile-Ser-
 261 Val-Gly-Gly-Met-Cys-Ile-Cys-Tyr-Gly-His-
 271 Ala-Arg-Ala-Cys-Pro-Leu-Asp-Pro-Ala-Thr-
 281 Asn-Lys-Ser-Arg-Cys-Glu-Cys-Glu-His-Asn-
 291 Thr-Cys-Gly-Asp-Ser-Cys-Asp-Gln-Cys-Cys-
 301 Pro-Gly-Phe-His-Gln-Lys-Pro-Tyr-Arg-Ala-
 311 Gly-Thr-Phe-Leu-Thr-Lys-Thr-Glu-Cys-Glu-
 321 Ala-Cys-Asn-Cys-His-Gly-Lys-Ala-Glu-Glu-
 331 Cys-Tyr-Tyr-Asp-Glu-Asn-Val-Ala-Arg-Arg-
 341 Asn-Leu-Ser-Leu-Asn-Ile-Arg-Gly-Lys-Tyr-
 351 Ile-Gly-Gly-Gly-Val-Cys-Ile-Asn-Cys-Thr-
 361 Gln-Asn-Thr-Ala-Gly-Ile-Asn-Cys-Glu-Thr-
 371 Cys-Thr-Asp-Gly-Phe-Phe-Arg-Pro-Lys-Gly-
 381 Val-Ser-Pro-Asn-Tyr-Pro-Arg-Pro-Cys-Gln-
 391 Pro-Cys-His-Cys-Asp-Pro-Ile-Gly-Ser-Leu-
 401 Asn-Glu-Val-Cys-Val-Lys-Asp-Glu-Lys-His-
 411 Ala-Arg-Arg-Gly-Leu-Ala-Pro-Gly-Ser-Cys-
 421 His-Cys-Lys-Thr-Gly-Phe-Gly-Ile-Val-Ser-
 431 Cys-Asp-Arg-Cys-Ala-Arg-Gly-Tyr-Thr-Gly-
 441 Tyr-Pro-Asp-Cys-Lys-Ala-Cys-Asn-Cys-Ser-
 451 Gly-Leu-Gly-Ser-Lys-Asn-Glu-Asp-Pro-Cys-
 461 Phe-Gly-Pro-Cys-Ile-Cys-Lys-Glu-Asn-Val-
 471 Glu-Gly-Gly-Asp-Cys-Ser-Arg-Cys-Lys-Ser-
 481 Gly-Phe-Phe-Asn-Leu-Gln-Glu-Asp-Asn-Tyr-

491 Lys-Gly-Cys-Asp-Glu-Cys-Phe-Cys-Ser-Gly-
501 Val-Ser-Asn-Arg-Cys-Gln-Ser-Ser-Tyr-Trp-
511 Thr-Tyr-Gly-Lys-Ile-Gln-Asp-Met-Ser-Gly-
521 Trp-Tyr-Leu-Thr-Asp-Leu-Pro-Gly-Arg-Ile-
531 Arg-Val-Ala-Pro-Gln-Gln-Asp-Asp-Leu-Asp-
541 Ser-Pro-Gln-Gln-Ile-Ser-Ile-Ser-Asn-Ala-
551 Glu-Ala-Arg-Gln-Ala-Leu-Pro-His-Ser-Tyr-
561 Tyr-Trp-Ser-Ala-Pro-Ala-Pro-Tyr-Leu-Gly-
571 Asn-Lys-Leu-Pro-Ala-Val-Gly-Gly-Gln-Leu-
581 Thr-Phe-Thr-Ile-Ser-Tyr-Asp-Leu-Glu-Glu-
591 Glu-Glu-Glu-Asp-Thr-Glu-Arg-Val-Leu-Gln-
601 Leu-Met-Ile-Ile-Leu-Glu-Gly-Asn-Asp-Leu-
611 Ser-Ile-Ser-Thr-Ala-Gln-Asp-Glu-Val-Tyr-
621 Leu-His-Pro-Ser-Glu-Glu-His-Thr-Asn-Val-
631 Leu-Leu-Leu-Lys-Glu-Glu-Ser-Phe-Thr-Ile-
641 His-Gly-Thr-His-Phe-Pro-Val-Arg-Arg-Lys-
651 Glu-Phe-Met-Thr-Val-Leu-Ala-Asn-Leu-Lys-
661 Arg-Val-Leu-Leu-Gln-Ile-Thr-Tyr-Ser-Phe-
671 Arg-Met-Asp-Ala-Ile-Phe-Arg-Leu-Ser-Ser-
681 Val-Asn-Leu-Glu-Ser-Ala-Val-Ser-Tyr-Pro-
691 Thr-Asp-Gly-Ser-Ile-Ala-Ala-Ala-Glu-
701 Val-Cys-Gln-Cys-Pro-Pro-Gly-Tyr-Thr-Gly-
711 Ser-Ser-Cys-Glu-Ser-Cys-Trp-Pro-Arg-His-
721 Arg-Arg-Val-Asn-Gly-Thr-Ile-Phe-Gly-Gly-
731 Ile-Cys-Glu-Pro-Cys-Gln-Cys-Phe-Gly-His-
741 Ala-Glu-Ser-Cys-Asp-Asp-Val-Thr-Gly-Glu-
751 Cys-Leu-Asn-Cys-Lys-Asp-His-Thr-Gly-Gly-
761 Pro-Tyr-Cys-Asp-Lys-Cys-Leu-Pro-Gly-Phe-
771 Tyr-Gly-Glu-Pro-Thr-Lys-Gly-Thr-Ser-Glu-
781 Asp-Cys-Gln-Pro-Cys-Ala-Cys-Pro-Leu-Asn-
791 Ile-Pro-Ser-Asn-Asn-Phe-Ser-Pro-Thr-Cys-
801 His-Leu-Asp-Arg-Ser-Leu-Gly-Leu-Ile-Cys-
811 Asp-Gly-Cys-Pro-Val-Gly-Tyr-Thr-Gly-Pro-
821 Arg-Cys-Glu-Arg-Cys-Ala-Glu-Gly-Tyr-Phe-
831 Gly-Gln-Pro-Ser-Val-Pro-Gly-Gly-Ser-Cys-
841 Gln-Pro-Cys-Gln-Cys-Asn-Asp-Asn-Leu-Asp-
851 Phe-Ser-Ile-Pro-Gly-Ser-Cys-Asp-Ser-Leu-
861 Ser-Gly-Ser-Cys-Leu-Ile-Cys-Lys-Pro-Gly-
871 Thr-Thr-Gly-Arg-Tyr-Cys-Glu-Leu-Cys-Ala-
881 Asp-Gly-Tyr-Phe-Gly-Asp-Ala-Val-Asp-Ala-
891 Lys-Asn-Cys-Gln-Pro-Cys-Arg-Cys-Asn-Ala-
901 Gly-Gly-Ser-Phe-Ser-Glu-Val-Cys-His-Ser-
911 Gln-Thr-Gly-Gln-Cys-Glu-Cys-Arg-His-Asn-
921 Val-Gln-Gly-Gln-Arg-Cys-Asp-Lys-Cys-Lys-
931 Ala-Gly-Thr-Phe-Gly-Leu-Gln-Ser-Ala-Arg-
941 Gly-Cys-Val-Pro-Cys-Asn-Cys-Asn-Ser-Phe-
951 Gly-Ser-Lys-Ser-Phe-Asp-Cys-Glu-Glu-Ser-
961 Gly-Gln-Cys-Trp-Cys-Gln-Pro-Gly-Val-Thr-
971 Gly-Lys-Lys-Cys-Asp-Arg-Cys-Ala-His-Gly-
981 Tyr-Phe-Asn-Phe-Gln-Gly-Gly-Cys-Thr-
991 Ala-Cys-Glu-Cys-Ser-His-Leu-Gly-Asn-Asn-
1001 Cys-Asp-Pro-Lys-Thr-Gly-Arg-Cys-Ile-Cys-
1011 Pro-Pro-Asn-Thr-Ile-Gly-Glu-Lys-Cys-Ser-
1021 Lys-Cys-Ala-Pro-Asn-Thr-Trp-Gly-His-Ser-
1031 Ile-Thr-Thr-Gly-Cys-Lys-Ala-Cys-Asn-Cys-

1041 Ser-Thr-Val-Gly-Ser-Leu-Asp-Phe-Gln-Cys-
1051 Asn-Val-Asn-Thr-Gly-Gln-Cys-Asn-Cys-His-
1061 Pro-Lys-Phe-Ser-Gly-Ala-Lys-Cys-Thr-Glu-
1071 Cys-Ser-Arg-Gly-His-Trp-Asn-Tyr-Pro-Arg-
1081 Cys-Asn-Leu-Cys-Asp-Cys-Phe-Leu-Pro-Gly-
1091 Thr-Asp-Ala-Thr-Cys-Asp-Ser-Glu-Thr-
1101 Lys-Lys-Cys-Ser-Cys-Ser-Asp-Gln-Thr-Gly-
1111 Gln-Cys-Thr-Cys-Lys-Val-Asn-Val-Glu-Gly-
1121 Ile-His-Cys-Asp-Arg-Cys-Arg-Pro-Gly-Lys-
1131 Phe-Gly-Leu-Asp-Ala-Lys-Asn-Pro-Leu-Gly-
1141 Cys-Ser-Ser-Cys-Tyr-Cys-Phe-Gly-Thr-Thr-
1151 Thr-Gln-Cys-Ser-Glu-Ala-Lys-Gly-Leu-Ile-
1161 Arg-Thr-Trp-Val-Thr-Leu-Lys-Ala-Glu-Gln-
1171 Thr-Ile-Leu-Pro-Leu-Val-Asp-Glu-Ala-Leu-
1181 Gln-His-Thr-Thr-Lys-Gly-Ile-Val-Phe-
1191 Gln-His-Pro-Glu-Ile-Val-Ala-His-Met-Asp-
1201 Leu-Met-Arg-Glu-Asp-Leu-His-Leu-Glu-Pro-
1211 Phe-Tyr-Trp-Lys-Leu-Pro-Gln-Gln-Phe-Glu-
1221 Gly-Lys-Lys-Leu-Met-Ala-Tyr-Gly-Gly-Lys-
1231 Leu-Lys-Tyr-Ala-Ile-Tyr-Phe-Glu-Ala-Arg-
1241 Glu-Glu-Thr-Gly-Phe-Ser-Thr-Tyr-Asn-Pro-
1251 Gln-Val-Ile-Ile-Arg-Gly-Gly-Thr-Pro-Thr-
1261 His-Ala-Arg-Ile-Ile-Val-Arg-His-Met-Ala-
1271 Ala-Pro-Leu-Ile-Gly-Gln-Leu-Thr-Arg-His-
1281 Glu-Ile-Glu-Met-Thr-Glu-Lys-Glu-Trp-Lys-
1291 Tyr-Tyr-Gly-Asp-Asp-Pro-Arg-Val-His-Arg-
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1331 Arg-Ile-Ser-Glu-Ile-Ser-Met-Glu-Val-Ala-
1341 Gly-Gln-Gly-Arg-Gly-Thr-Thr-Met-Thr-Pro-
1351 Pro-Ala-Asp-Leu-Ile-Glu-Lys-Cys-Asp-Cys-
1361 Pro-Leu-Gly-Tyr-Ser-Gly-Leu-Ser-Cys-Glu-
1371 Ala-Cys-Leu-Pro-Gly-Phe-Tyr-Arg-Leu-Arg-
1381 Ser-Gln-Pro-Gly-Gly-Arg-Thr-Pro-Gly-Pro-
1391 Thr-Leu-Gly-Thr-Cys-Val-Pro-Cys-Gln-Cys-
1401 Asn-Gly-His-Ser-Ser-Leu-Cys-Asp-Pro-Glu-
1411 Thr-Ser-Ile-Cys-Gln-Asn-Cys-Gln-His-His-
1421 Thr-Ala-Gly-Asp-Phe-Cys-Glu-Arg-Cys-Ala-
1431 Leu-Gly-Tyr-Tyr-Gly-Ile-Val-Lys-Gly-Leu-
1441 Pro-Asn-Asp-Cys-Gln-Gln-Cys-Ala-Cys-Pro-
1451 Leu-Ile-Ser-Ser-Asn-Asn-Phe-Ser-Pro-
1461 Ser-Cys-Val-Ala-Glu-Gly-Leu-Asp-Asp-Tyr-
1471 Arg-Cys-Thr-Ala-Cys-Pro-Arg-Gly-Tyr-Glu-
1481 Gly-Gln-Tyr-Cys-Glu-Arg-Cys-Ala-Pro-Gly-
1491 Tyr-Thr-Gly-Ser-Pro-Gly-Asn-Pro-Gly-Gly-
1501 Ser-Cys-Gln-Glu-Cys-Glu-Cys-Asp-Pro-Tyr-
1511 Gly-Ser-Leu-Pro-Val-Pro-Cys-Asp-Pro-Val-
1521 Thr-Gly-Phe-Cys-Thr-Cys-Arg-Pro-Gly-Ala-
1531 Thr-Gly-Arg-Lys-Cys-Asp-Gly-Cys-Lys-His-
1541 Trp-His-Ala-Arg-Glu-Gly-Trp-Glu-Cys-Val-
1551 Phe-Phe-Gly-Asp-Glu-Cys-Thr-Gly-Leu-Leu-
1561 Leu-Gly-Asp-Leu-Ala-Arg-Leu-Glu-Gln-Met-
1571 Val-Met-Ser-Ile-Asn-Leu-Thr-Gly-Pro-Leu-
1581 Pro-Ala-Pro-Tyr-Lys-Met-Leu-Tyr-Gly-Leu-
1591 Glu-Asn-Met-Thr-Gln-Glu-Leu-Lys-His-Leu-
1601 Leu-Ser-Pro-Gln-Arg-Ala-Pro-Glu-Arg-Leu-

1611 Ile-Gln-Leu-Ala-Glu-Gly-Asn-Leu-Asn-Thr-
1621 Leu-Val-Thr-Glu-Met-Asn-Glu-Leu-Leu-Thr-
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1651 Thr-Arg-Ala-Lys-Ser-Leu-Gly-Gln-Phe-Ile-
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1681 Leu-Gly-Thr-Arg-Asp-Glu-Ala-Phe-Glu-Arg-
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1771 Ala-Thr-Asp-Lys-Ile-Arg-Glu-Ala-Asn-Arg-
1781 Leu-Phe-Ala-Val-Asn-Gln-Lys-Asn-Met-Thr-
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1801 Ser-Gly-Lys-Arg-Gln-Ile-Glu-Asn-Thr-Leu-
1811 Lys-Glu-Gly-Asn-Asp-Ile-Leu-Asp-Glu-Ala-
1821 Asn-Arg-Leu-Ala-Asp-Glu-Ile-Asn-Ser-Ile-
1831 Ile-Asp-Tyr-Val-Glu-Asp-Ile-Gln-Thr-Lys-
1841 Leu-Pro-Met-Ser-Glu-Glu-Leu-Asn-Asp-
1851 Lys-Ile-Asp-Asp-Leu-Ser-Gln-Glu-Ile-Lys-
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1871 Ala-Glu-Ser-His-Ala-Ala-Gln-Leu-Asn-Asp-
1881 Ser-Ser-Ala-Val-Leu-Asp-Gly-Ile-Leu-Asp-
1891 Glu-Ala-Lys-Asn-Ile-Ser-Phe-Asn-Ala-Thr-
1901 Ala-Ala-Phe-Lys-Ala-Tyr-Ser-Asn-Ile-Lys-
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1931 Thr-Lys-Leu-Ala-Thr-Gly-Pro-Arg-Gly-Leu-
1941 Leu-Lys-Glu-Asp-Ala-Lys-Gly-Cys-Leu-Gln-
1951 Lys-Ser-Phe-Arg-Ile-Leu-Asn-Glu-Ala-Lys-
1961 Lys-Leu-Ala-Asn-Asp-Val-Lys-Glu-Asn-Glu-
1971 Asp-His-Leu-Asn-Gly-Leu-Lys-Thr-Arg-Ile-
1981 Glu-Asn-Ala-Asp-Ala-Arg-Asn-Gly-Asp-Leu-
1991 Leu-Arg-Thr-Leu-Asn-Asp-Thr-Leu-Gly-Lys-
2001 Leu-Ser-Ala-Ile-Pro-Asn-Asp-Thr-Ala-Ala-
2011 Lys-Leu-Gln-Ala-Val-Lys-Asp-Lys-Ala-Arg-
2021 Gln-Ala-Asn-Asp-Thr-Ala-Lys-Asp-Val-Leu-
2031 Ala-Gln-Ile-Thr-Glu-Leu-His-Gln-Asn-Leu-
2041 Asp-Gly-Leu-Lys-Lys-Asn-Tyr-Asn-Lys-Leu-
2051 Ala-Asp-Ser-Val-Ala-Lys-Thr-Asn-Ala-Val-
2061 Val-Lys-Asp-Pro-Ser-Lys-Asn-Lys-Ile-Ile-
2071 Ala-Asp-Ala-Asp-Ala-Thr-Val-Lys-Asn-Leu-
2081 Glu-Gln-Glu-Ala-Asp-Arg-Leu-Ile-Asp-Lys-
2091 Leu-Lys-Pro-Ile-Lys-Glu-Leu-Glu-Asp-Asn-
2101 Leu-Lys-Lys-Asn-Ile-Ser-Glu-Ile-Lys-Glu-
2111 Leu-Ile-Asn-Gln-Ala-Arg-Lys-Gln-Ala-Asn-
2121 Ser-Ile-Lys-Val-Ser-Val-Ser-Ser-Gly-Gly-
2131 Asp-Cys-Ile-Arg-Thr-Tyr-Lys-Pro-Glu-Ile-
2141 Lys-Lys-Gly-Ser-Tyr-Asn-Asn-Ile-Val-Val-
2151 Asn-Val-Lys-Thr-Ala-Val-Ala-Asp-Asn-Leu-
2161 Leu-Phe-Tyr-Leu-Gly-Ser-Ala-Lys-Phe-Ile-
2171 Asp-Phe-Leu-Ala-Ile-Glu-Met-Arg-Lys-Gly-

2181 Lys-Val-Ser-Phe-Leu-Tyr-Asp-Val-Gly-Ser-
2191 Gly-Val-Gly-Arg-Val-Glu-Tyr-Pro-Asp-Leu-
2201 Thr-Ile-Asp-Asp-Ser-Tyr-Tyr-Arg-Ile-
2211 Val-Ala-Ser-Arg-Thr-Gly-Arg-Asn-Gly-Thr-
2221 Ile-Ser-Val-Arg-Ala-Leu-Asp-Gly-Pro-Lys-
2231 Ala-Ser-Ile-Val-Pro-Ser-Thr-His-Ser-
2241 Thr-Ser-Pro-Gly-Tyr-Thr-Ile-Leu-Asp-
2251 Val-Asp-Ala-Asn-Ala-Met-Leu-Phe-Val-Gly-
2261 Gly-Leu-Thr-Gly-Lys-Leu-Lys-Lys-Ala-Asp-
2271 Ala-Val-Arg-Val-Ile-Thr-Phe-Thr-Gly-Cys-
2281 Met-Gly-Glu-Thr-Tyr-Phe-Asp-Asn-Lys-Pro-
2291 Ile-Gly-Leu-Tyr-Asn-Phe-Arg-Gly-Lys-Glu-
2301 Gly-Asp-Cys-Lys-Gly-Cys-Thr-Val-Ser-Pro-
2311 Gln-Val-Glu-Asp-Ser-Glu-Gly-Thr-Ile-Gln-
2321 Phe-Asp-Gly-Glu-Gly-Tyr-Ala-Leu-Val-Ser-
2331 Arg-Pro-Ile-Arg-Tyr-Pro-Asn-Ile-Ser-
2341 Thr-Val-Met-Phe-Lys-Phe-Arg-Thr-Phe-Ser-
2351 Ser-Ser-Ala-Leu-Leu-Met-Tyr-Leu-Ala-Thr-
2361 Arg-Asp-Leu-Arg-Asp-Phe-Met-Ser-Val-Glu-
2371 Leu-Thr-Asp-Gly-His-Ile-Lys-Val-Ser-Tyr-
2381 Asp-Leu-Gly-Ser-Gly-Met-Ala-Ser-Val-Val-
2391 Ser-Asn-Gln-Asn-His-Asn-Asp-Gly-Lys-Tyr-
2401 Lys-Ser-Phe-Thr-Leu-Ser-Arg-Ile-Gln-Lys-
2411 Gln-Ala-Asn-Ile-Ser-Ile-Val-Asp-Ile-Asp-
2421 Thr-Asn-Gln-Glu-Glu-Asn-Ile-Ala-Thr-Ser-
2431 Ser-Ser-Gly-Asn-Asn-Phe-Gly-Leu-Asp-Leu-
2441 Lys-Ala-Asp-Asp-Lys-Ile-Tyr-Phe-Gly-Gly-
2451 Leu-Pro-Thr-Leu-Arg-Asn-Leu-Ser-Met-Lys-
2461 Ala-Arg-Pro-Glu-Val-Asn-Leu-Lys-Lys-Tyr-
HITS At: 505-512

L7 ANSWER 28 OF 36 GENE COPYRIGHT 2004 The Thomson Corp on STN
AN AAB19793 Protein DGENE
TI Including laminin 2 protein, useful for research and therapeutic purposes
IN including peripheral nerve regeneration, treatment of degenerative muscle
PA disorders, angiogenesis regulation, and ex vivo cell therapy -
PI Yurchenco P
PRA1 (VYNE-N) UNIV NEW JERSEY MEDICINE & DENTISTRY.
WO 2000066730 A2 20001109 305p
WO 2000-US11378 20000428
US 1998-131720 19980430
US 1999-139198 19990615
US 1999-143289 19990712
US 1999-155945 19990924

DT Patent
LA English
OS 2000-687537 [67]
CR N-PSDB: AAB8893
DESC Human laminin 2 alpha-2 chain.
AN AAB19793 Protein DGENE
AA 205A; 159k; 162N; 183D; 0 B; 162C; 119Q; 202E; 0 Z; 261G; 71 H; 166I;
246L; 184K; 46 M; 103F; 173P; 194S; 193T; 29 W; 96 Y; 156V; 0 Others
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SEQ3 1 Met-Pro-Gly-Ala-Ala-Gly-Val-Leu-Leu-Leu-
11 Leu-Leu-Leu-Ser-Gly-Gly-Leu-Gly-Gly-Val-
21 Gln-Ala-Gln-Arg-Pro-Gln-Gln-Gln-Arg-Gln-

31 Ser-Gln-Ala-His-Gln-Gln-Arg-Gly-Leu-Phe-
41 Pro-Ala-Val-Leu-Asn-Leu-Ala-Ser-Asn-Ala-
51 Leu-Ile-Thr-Thr-Asn-Ala-Thr-Cys-Gly-Glu-
61 Lys-Gly-Pro-Glu-Met-Tyr-Cys-Lys-Leu-Val-
71 Gln-His-Val-Pro-Gly-Gln-Pro-Val-Arg-Asn-
81 Pro-Gln-Cys-Arg-Ile-Cys-Asn-Gln-Asn-Ser-
91 Ser-Asn-Pro-Asn-Gln-Arg-His-Pro-Ile-Thr-
101 Asn-Ala-Ile-Asp-Gly-Lys-Asn-Thr-Tip-Tip-
111 Gln-Ser-Pro-Ser-Ile-Lys-Asn-Gly-Ile-Glu-
121 Tyr-His-Tyr-Val-Thr-Ile-Thr-Leu-Asp-Leu-
131 Gln-Gln-Val-Phe-Gln-Ile-Ala-Tyr-Val-Ile-
141 Val-Lys-Ala-Ala-Asn-Ser-Pro-Arg-Pro-Gly-
151 Asn-Tip-Ile-Leu-Glu-Arg-Ser-Leu-Asp-Asp-
161 Val-Glu-Tyr-Lys-Pro-Tip-Gln-Tyr-His-Ala-
171 Val-Thr-Asp-Thr-Glu-Cys-Leu-Thr-Leu-Tyr-
181 Asn-Ile-Tyr-Pro-Arg-Thr-Gly-Pro-Pro-Ser-
191 Tyr-Ala-Lys-Asp-Asp-Glu-Val-Ile-Cys-Thr-
201 Ser-Phe-Tyr-Ser-Lys-Ile-His-Pro-Leu-Glu-
211 Asn-Gly-Glu-Ile-His-Ile-Ser-Leu-Ile-Asn-
221 Gly-Arg-Pro-Ser-Ala-Asp-Asp-Pro-Ser-Pro-
231 Gln-Leu-Leu-Glu-Phe-Thr-Ser-Ala-Arg-Tyr-
241 Ile-Arg-Leu-Arg-Phe-Gln-Arg-Ile-Arg-Thr-
251 Leu-Asn-Ala-Asp-Leu-Met-Met-Phe-Ala-His-
261 Lys-Asp-Pro-Arg-Glu-Ile-Asp-Pro-Ile-Val-
271 Thr-Arg-Arg-Tyr-Tyr-Tyr-Ser-Val-Lys-Asp-
281 Ile-Ser-Val-Gly-Gly-Met-Cys-Ile-Cys-Tyr-
291 Gly-His-Ala-Arg-Ala-Cys-Pro-Leu-Asp-Pro-
301 Ala-Thr-Asn-Lys-Ser-Arg-Cys-Glu-Cys-Glu-
311 His-Asn-Thr-Cys-Gly-Asp-Ser-Cys-Asp-Gln-
321 Cys-Cys-Pro-Gly-Phe-His-Gln-Lys-Pro-Tip-
331 Arg-Ala-Gly-Thr-Phe-Leu-Thr-Lys-Thr-Glu-
341 Cys-Glu-Ala-Cys-Asn-Cys-His-Gly-Lys-Ala-
351 Gln-Glu-Cys-Tyr-Tyr-Asp-Glu-Asn-Val-Ala-
361 Arg-Arg-Asn-Leu-Ser-Leu-Asn-Ile-Arg-Gly-
371 Lys-Tyr-Ile-Gly-Gly-Gly-Val-Cys-Ile-Asn-
381 Cys-Thr-Gln-Asn-Thr-Ala-Gly-Ile-Asn-Cys-
391 Gln-Thr-Cys-Thr-Asp-Gly-Phe-Phe-Arg-Pro-
401 Lys-Gly-Val-Ser-Pro-Asn-Tyr-Pro-Arg-Pro-
411 Cys-Gln-Pro-Cys-His-Cys-Asp-Pro-Ile-Gly-
421 Ser-Leu-Asn-Glu-Val-Cys-Val-Lys-Asp-Glu-
431 Lys-His-Ala-Arg-Alg-Gly-Leu-Ala-Pro-Gly-
441 Ser-Cys-His-Cys-Lys-Thr-Gly-Phe-Gly-Gly-
451 Val-Ser-Cys-Asp-Arg-Cys-Ala-Arg-Gly-Tyr-
461 Thr-Gly-Tyr-Pro-Asp-Cys-Lys-Ala-Cys-Asn-
471 Cys-Ser-Gly-Leu-Gly-Ser-Lys-Asn-Glu-Asp-
481 Pro-Cys-Phe-Gly-Pro-Cys-Ile-Cys-Lys-Glu-
491 Asn-Val-Glu-Gly-Gly-Asp-Cys-Ser-Arg-Cys-
501 Lys-Ser-Gly-Phe-Phe-Asn-Leu-Gln-Glu-Asp-
511 Asn-Tip-Lys-Gly-Cys-Asp-Glu-Cys-Phe-Cys-
521 Ser-Gly-Val-Ser-Asn-Arg-Cys-Gln-Ser-Ser-
531 Tyr-Tip-Thr-Tyr-Gly-Lys-Ile-Gln-Asp-Met-
541 Ser-Gly-Tip-Tyr-Leu-Thr-Asp-Leu-Pro-Gly-
551 Arg-Ile-Arg-Val-Ala-Pro-Gln-Gln-Asp-Asp-
561 Leu-Asp-Ser-Pro-Gln-Gln-Ile-Ser-Ile-Ser-
571 Asn-Ala-Glu-Ala-Arg-Gln-Ala-Leu-Pro-His-
581 Ser-Tyr-Tyr-Tip-Ser-Ala-Pro-Ala-Pro-Tyr-
591 Leu-Gly-Asn-Lys-Leu-Pro-Ala-Val-Gly-Gly-
601 Gln-Leu-Thr-Phe-Thr-Ile-Ser-Tyr-Asp-Leu-
611 Gln-Glu-Glu-Glu-Asp-Thr-Glu-Arg-Val-
621 Leu-Gln-Leu-Met-Ile-Ile-Leu-Glu-Gly-Asn-
631 Asp-Leu-Ser-Ile-Ser-Thr-Ala-Gln-Asp-Glu-
641 Val-Tyr-Leu-His-Pro-Ser-Glu-Glu-His-Thr-
651 Asn-Val-Leu-Leu-Lys-Glu-Glu-Ser-Phe-
661 Thr-Ile-His-Gly-Thr-His-Phe-Pro-Val-Arg-
671 Arg-Lys-Glu-Phe-Met-Thr-Val-Leu-Ala-Asn-
681 Leu-Lys-Arg-Val-Leu-Leu-Gln-Ile-Thr-Tyr-
691 Ser-Phe-Gly-Met-Asp-Ala-Ile-Phe-Arg-Leu-
701 Ser-Ser-Val-Asn-Leu-Glu-Ser-Ala-Val-Ser-
711 Tyr-Pro-Thr-Asp-Gly-Ser-Ile-Ala-Ala-Ala-
721 Val-Glu-Val-Cys-Gln-Cys-Pro-Pro-Gly-Tyr-
731 Thr-Gly-Ser-Ser-Cys-Glu-Ser-Cys-Tip-Pro-
741 Arg-His-Arg-Arg-Val-Asn-Gly-Thr-Ile-Phe-
751 Gly-Gly-Ile-Cys-Glu-Pro-Cys-Gln-Cys-Phe-
761 Gly-His-Ala-Glu-Ser-Cys-Asp-Asp-Val-Thr-
771 Gly-Glu-Cys-Leu-Asn-Cys-Lys-Asp-His-Thr-
781 Gly-Gly-Pro-Tyr-Cys-Asp-Lys-Cys-Leu-Pro-
791 Gly-Phe-Tyr-Gly-Glu-Pro-Thr-Lys-Gly-Thr-
801 Ser-Glu-Asp-Cys-Gln-Pro-Cys-Ala-Cys-Pro-
811 Leu-Asn-Ile-Pro-Ser-Asn-Asn-Phe-Ser-Pro-
821 Thr-Cys-His-Leu-Asp-Arg-Ser-Leu-Gly-Leu-
831 Ile-Cys-Asp-Gly-Cys-Pro-Val-Gly-Tyr-Thr-
841 Gly-Pro-Arg-Cys-Glu-Arg-Cys-Ala-Glu-Gly-
851 Tyr-Phe-Gly-Gln-Pro-Ser-Val-Pro-Gly-Gly-
861 Ser-Cys-Gln-Pro-Cys-Gln-Cys-Asn-Asp-Asn-
871 Leu-Asp-Phe-Ser-Ile-Pro-Gly-Ser-Cys-Asp-
881 Ser-Leu-Ser-Gly-Ser-Cys-Leu-Ile-Cys-Lys-
891 Pro-Gly-Thr-Thr-Gly-Arg-Tyr-Cys-Glu-Leu-
901 Cys-Ala-Asp-Gly-Tyr-Phe-Gly-Asp-Ala-Val-
911 Asp-Ala-Lys-Asn-Cys-Gln-Pro-Cys-Arg-Cys-
921 Asn-Ala-Gly-Gly-Ser-Phe-Ser-Glu-Val-Cys-
931 His-Ser-Gln-Thr-Gly-Gln-Cys-Glu-Cys-Arg-
941 Ala-Asn-Val-Gln-Gly-Gln-Arg-Cys-Asp-Lys-
951 Cys-Lys-Ala-Gly-Thr-Phe-Gly-Leu-Gln-Ser-
961 Ala-Arg-Gly-Cys-Val-Pro-Cys-Asn-Cys-Asn-
971 Ser-Phe-Gly-Ser-Lys-Ser-Phe-Asp-Cys-Glu-
981 Gln-Ser-Gly-Gln-Cys-Tip-Cys-Gln-Pro-Gly-
991 Val-Thr-Gly-Lys-Lys-Cys-Asp-Arg-Cys-Ala-
1001 His-Gly-Tyr-Phe-Asn-Phe-Gln-Glu-Gly-Gly-
1011 Cys-Thr-Ala-Cys-Glu-Cys-Ser-His-Leu-Gly-
1021 Asn-Asn-Cys-Asp-Pro-Lys-Thr-Gly-Arg-Cys-
1031 Ile-Cys-Pro-Pro-Asn-Thr-Ile-Gly-Glu-Lys-
1041 Cys-Ser-Lys-Cys-Ala-Pro-Asn-Thr-Tip-Gly-
1051 His-Ser-Ile-Thr-Thr-Gly-Cys-Lys-Ala-Cys-
1061 Asn-Cys-Ser-Thr-Val-Gly-Ser-Leu-Asp-Phe-
1071 Gln-Cys-Asn-Val-Asn-Thr-Gly-Gln-Cys-Asn-
1081 Cys-His-Pro-Lys-Phe-Ser-Gly-Ala-Lys-Cys-
1091 Thr-Glu-Cys-Ser-Arg-Gly-His-Tip-Asn-Tyr-
1101 Pro-Arg-Cys-Asn-Leu-Cys-Asp-Cys-Phe-Leu-
1111 Pro-Gly-Thr-Asp-Ala-Thr-Thr-Cys-Asp-Ser-
1121 Gln-Thr-Lys-Lys-Cys-Ser-Cys-Ser-Asp-Gln-
1131 Thr-Gly-Gln-Cys-Thr-Cys-Lys-Val-Asn-Val-
1141 Gln-Gly-Ile-His-Cys-Asp-Arg-Cys-Arg-Pro-

1151 Gly-Lys-Phe-Gly-Leu-Asp-Ala-Lys-Asn-Pro-
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1171 Thr-Thr-Thr-Gln-Cys-Ser-Glu-Ala-Lys-Gly-
1181 Leu-Ile-Arg-Thr-Tyr-Val-Thr-Leu-Lys-Ala-
1191 Glu-Gln-Thr-Ile-Leu-Pro-Leu-Val-Asp-Glu-
1201 Ala-Leu-Gln-His-Thr-Thr-Lys-Gly-Ile-
1211 Val-Phe-Gln-His-Pro-Glu-Ile-Val-Ala-His-
1221 Met-Asp-Leu-Met-Arg-Glu-Asp-Leu-His-Leu-
1231 Glu-Pro-Phe-Tyr-Tyr-Lys-Leu-Pro-Glu-Gln-
1241 Phe-Glu-Gly-Lys-Lys-Leu-Met-Ala-Tyr-Gly-
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1261 Ala-Arg-Glu-Glu-Thr-Gly-Phe-Ser-Thr-Tyr-
1271 Asn-Pro-Gln-Val-Ile-Ile-Arg-Gly-Gly-Thr-
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1311 Trp-Lys-Tyr-Tyr-Tyr-Asp-Pro-Arg-Val-
1321 His-Arg-Thr-Val-Thr-Arg-Glu-Asp-Phe-Leu-
1331 Asp-Ile-Leu-Tyr-Asp-Ile-His-Tyr-Ile-Leu-
1341 Ile-Lys-Ala-Thr-Tyr-Gly-Asn-Phe-Met-Arg-
1351 Gln-Ser-Arg-Ile-Ser-Glu-Ile-Ser-Met-Glu-
1361 Val-Ala-Glu-Gln-Gly-Arg-Arg-Thr-Met-
1371 Thr-Pro-Pro-Ala-Asp-Leu-Ile-Glu-Lys-Cys-
1381 Asp-Cys-Pro-Leu-Gly-Tyr-Ser-Gly-Leu-Ser-
1391 Cys-Glu-Ala-Cys-Leu-Pro-Gly-Phe-Tyr-Arg-
1401 Leu-Arg-Ser-Gln-Pro-Gly-Thr-Arg-Thr-Pro-
1411 Gly-Pro-Thr-Leu-Gly-Thr-Cys-Val-Pro-Cys-
1421 Gln-Cys-Asn-Gly-His-Ser-Ser-Leu-Cys-Asp-
1431 Pro-Glu-Thr-Ser-Ile-Cys-Gln-Asn-Cys-Gln-
1441 His-His-Thr-Ala-Gly-Asp-Phe-Cys-Glu-Arg-
1451 Cys-Ala-Leu-Gly-Tyr-Tyr-Gly-Ile-Val-Lys-
1461 Gly-Leu-Pro-Asn-Asp-Cys-Gln-Gln-Cys-Ala-
1471 Cys-Pro-Leu-Ile-Ser-Ser-Ser-Asn-Asn-Phe-
1481 Ser-Pro-Ser-Cys-Val-Ala-Glu-Gly-Leu-Asp-
1491 Asp-Tyr-Arg-Cys-Thr-Ala-Cys-Pro-Arg-Gly-
1501 Tyr-Glu-Gly-Gln-Tyr-Cys-Glu-Arg-Cys-Ala-
1511 Pro-Gly-Tyr-Thr-Gly-Ser-Pro-Gly-Asn-Pro-
1521 Gly-Gly-Ser-Cys-Gln-Glu-Cys-Glu-Cys-Asp-
1531 Pro-Tyr-Gly-Ser-Leu-Pro-Val-Pro-Cys-Asp-
1541 Pro-Val-Thr-Gly-Phe-Cys-Thr-Cys-Arg-Pro-
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1561 Lys-His-Tyr-His-Ala-Arg-Glu-Gly-Tyr-Glu-
1571 Cys-Val-Phe-Cys-Gly-Asp-Glu-Cys-Thr-Gly-
1581 Leu-Leu-Leu-Gly-Asp-Leu-Ala-Arg-Leu-Glu-
1591 Gln-Met-Val-Met-Ser-Ile-Asn-Leu-Thr-Gly-
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1611 Gly-Leu-Glu-Asn-Met-Thr-Gln-Glu-Leu-Lys-
1621 His-Leu-Leu-Ser-Pro-Gln-Arg-Ala-Pro-Glu-
1631 Arg-Leu-Ile-Gln-Leu-Ala-Glu-Gly-Asn-Leu-
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1651 Leu-Thr-Arg-Ala-Thr-Lys-Val-Thr-Ala-Asp-
1661 Gly-Glu-Gln-Thr-Gly-Gln-Asp-Ala-Gly-Arg-
1671 Thr-Asn-Thr-Arg-Ala-Lys-Ser-Leu-Gly-Glu-
1681 Phe-Ile-Lys-Glu-Leu-Ala-Arg-Asp-Ala-Glu-
1691 Ala-Val-Asn-Glu-Lys-Ala-Ile-Lys-Leu-Asn-
1701 Glu-Thr-Leu-Gly-Thr-Arg-Asp-Glu-Ala-Phe-
1711 Glu-Arg-Asn-Leu-Glu-Gly-Leu-Gln-Lys-Glu-

1721 Ile-Asp-Gln-Met-Ile-Lys-Glu-Leu-Arg-Arg-
1731 Lys-Asn-Leu-Glu-Thr-Gln-Lys-Glu-Ile-Ala-
1741 Glu-Asp-Glu-Leu-Val-Ala-Ala-Glu-Ala-Leu-
1751 Leu-Lys-Lys-Val-Lys-Lys-Leu-Phe-Gly-Glu-
1761 Ser-Arg-Gly-Glu-Asn-Glu-Glu-Met-Glu-Lys-
1771 Asp-Leu-Arg-Glu-Lys-Leu-Ala-Asp-Tyr-Lys-
1781 Asn-Lys-Val-Asp-Asp-Ala-Tyr-Asp-Leu-Leu-
1791 Arg-Glu-Ala-Thr-Asp-Lys-Ile-Arg-Glu-Ala-
1801 Asn-Arg-Leu-Phe-Ala-Val-Asn-Gln-Lys-Asn-
1811 Met-Thr-Ala-Leu-Glu-Lys-Lys-Glu-Ala-
1821 Val-Glu-Ser-Gly-Lys-Arg-Gln-Ile-Glu-Asp-
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1861 Thr-Lys-Leu-Pro-Pro-Met-Ser-Glu-Glu-Leu-
1871 Asn-Asp-Lys-Ile-Asp-Asp-Leu-Ser-Gln-Glu-
1881 Ile-Lys-Asp-Arg-Lys-Leu-Ala-Glu-Lys-Val-
1891 Ser-Gln-Ala-Glu-Ser-His-Ala-Ala-Gln-Leu-
1901 Asn-Asp-Ser-Ser-Ala-Val-Leu-Asp-Gly-Ile-
1911 Leu-Asp-Glu-Ala-Lys-Asn-Ile-Ser-Phe-Asn-
1921 Ala-Thr-Ala-Ala-Phe-Lys-Ala-Tyr-Ser-Asn-
1931 Ile-Lys-Asp-Tyr-Ile-Asp-Glu-Ala-Glu-Lys-
1941 Val-Ala-Thr-Lys-Leu-Ala-Lys-Asp-Leu-Ala-His-
1951 Glu-Ala-Thr-Lys-Leu-Ala-Thr-Gly-Pro-Arg-
1961 Gly-Leu-Leu-Lys-Glu-Asp-Ala-Lys-Gly-Cys-
1971 Leu-Gln-Lys-Ser-Phe-Arg-Ile-Leu-Asn-Glu-
1981 Ala-Lys-Lys-Leu-Ala-Asn-Asp-Val-Lys-Glu-
1991 Asn-Gly-Asp-His-Leu-Asn-Gly-Leu-Lys-Thr-
2001 Arg-Ile-Glu-Asn-Ala-Asp-Ala-Arg-Asn-Gly-
2011 Asp-Leu-Leu-Arg-Thr-Leu-Asn-Asp-Thr-Leu-
2021 Gly-Lys-Leu-Ser-Ala-Ile-Pro-Asp-Asp-Thr-
2031 Ala-Ala-Lys-Leu-Gln-Ala-Val-Lys-Asp-Lys-
2041 Ala-Arg-Gln-Ala-Asn-Asp-Thr-Ala-Lys-Asp-
2051 Val-Leu-Ala-Gln-Ile-Thr-Glu-Leu-His-Gln-
2061 Asn-Leu-Asp-Gly-Leu-Lys-Lys-Asn-Tyr-Asn-
2071 Lys-Leu-Ala-Asp-Ser-Val-Ala-Lys-Thr-Asn-
2081 Ala-Val-Val-Lys-Asp-Pro-Ser-Lys-Asn-Lys-
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2101 Asn-Leu-Glu-Gln-Glu-Ala-Asp-Arg-Leu-Ile-
2111 Asp-Lys-Leu-Lys-Pro-Ile-Lys-Glu-Leu-Glu-
2121 Asp-Asn-Leu-Lys-Lys-Asn-Ile-Ser-Glu-Ile-
2131 Lys-Glu-Leu-Ile-Asn-Gln-Ala-Arg-Lys-Gln-
2141 Ala-Asn-Ser-Ile-Lys-Val-Ser-Val-Ser-Ser-
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2161 Glu-Ile-Lys-Lys-Gly-Ser-Tyr-Asn-Asn-Ile-
2171 Val-Val-Asn-Val-Lys-Thr-Ala-Val-Ala-Asp-
2181 Asn-Leu-Leu-Phe-Tyr-Leu-Gly-Ser-Ala-Lys-
2191 Phe-Ile-Asp-Phe-Leu-Ala-Ile-Glu-Met-Arg-
2201 Lys-Gly-Lys-Val-Ser-Phe-Leu-Tyr-Asp-Val-
2211 Gly-Ser-Gly-Val-Gly-Arg-Val-Glu-Tyr-Pro-
2221 Asp-Leu-Thr-Ile-Asp-Asp-Ser-Tyr-Tyr-Tyr-
2231 Arg-Ile-Val-Ala-Ser-Arg-Thr-Gly-Arg-Asn-
2241 Gly-Thr-Ile-Ser-Val-Arg-Ala-Leu-Asp-Gly-
2251 Pro-Lys-Ala-Ser-Ile-Val-Pro-Ser-Thr-His-
2261 His-Ser-Thr-Ser-Pro-Pro-Gly-Tyr-Thr-Ile-
2271 Leu-Asp-Val-Asp-Ala-Asn-Ala-Met-Leu-Phe-
2281 Val-Gly-Gly-Leu-Thr-Gly-Lys-Leu-Lys-Lys-

2291 Ala-Asp-Ala-Val-Arg-Val-Ile-Thr-Phe-Thr-
2301 Gly-Cys-Met-Gly-Glu-Thr-Tyr-Phe-Asp-Asn-
2311 Lys-Pro-Ile-Gly-Leu-Trp-Asn-Phe-Arg-Glu-
2321 Lys-Glu-Gly-Asp-Cys-Lys-Gly-Cys-Thr-Val-
2331 Ser-Pro-Gln-Val-Glu-Asp-Ser-Glu-Gly-Thr-
2341 Ile-Gln-Phe-Asp-Gly-Glu-Gly-Tyr-Ala-Leu-
2351 Val-Ser-Arg-Pro-Ile-Arg-Trp-Tyr-Pro-Asn-
2361 Ile-Ser-Thr-Val-Met-Phe-Lys-Phe-Arg-Thr-
2371 Phe-Ser-Ser-Ser-Ala-Leu-Leu-Met-Tyr-Leu-
2381 Ala-Thr-Arg-Asp-Leu-Arg-Phe-Met-Ser-
2391 Val-Glu-Leu-Thr-Asp-Gly-His-Ile-Lys-Val-
2401 Ser-Tyr-Asp-Leu-Gly-Ser-Gly-Met-Ala-Ser-
2411 Val-Val-Ser-Asp-Gln-Asn-His-Asn-Asp-Gly-
2421 Lys-Trp-Lys-Ser-Phe-Thr-Leu-Ser-Arg-Ile-
2431 Gln-Lys-Gln-Ala-Asn-Ile-Ser-Ile-Val-Asp-
2441 Ile-Asp-Thr-Asn-Gln-Glu-Asn-Ile-Ala-
2451 Thr-Ser-Ser-Ser-Gly-Asn-Asn-Phe-Gly-Leu-
2461 Asp-Leu-Lys-Ala-Asp-Asp-Lys-Ile-Tyr-Phe-
HITS AT: 527-534

FEATURE TABLE:

Key	Location	Qualifier
Peptide	1..22	Signal peptide
Protein	23..311	Mature protein

L7 ANSWER 29 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN AAB19792 Protein DGENE
TI Purified laminin 2 protein, useful for research and therapeutic purposes
including peripheral nerve regeneration, treatment of degenerative muscle
disorders, angiogenesis regulation, and ex vivo cell therapy -

IN Yuchence P UNIV NEW JERSEY MEDICINE & DENTISTRY.
PA (UNNE-N) ***NO 2000066730 A2 20001109 303P***

AI WO 2000-0511378 20000428
FRA1 US 1999-131720 19990430
US 1999-139198 19990615
US 1999-143289 19990712
US 1999-155945 19990924

DI Patent

LA English

OS 2000-687537 1671

CR N-PSDB: AAB8892

DESC Human laminin 2 mature alpha-2 chain.

AN AAB19792 Protein DGENE
AA 203A: 157R; 162N; 183D; 0 B; 162C; 118Q; 204E; 0 Z; 256G; 70 H; 165I;
240J; 166K; 45 W; 104F; 171P; 192S; 193T; 27 W; 96 Y; 155V; 0 Others

SQ1
SEQ3
3089

1 Gln-Arg-Pro-Gln-Gln-Arg-Gln-Ser-Gln-
11 Ala-His-Gln-Gln-Arg-Gly-Leu-Phe-Pro-Ala-
21 Val-Leu-Asn-Leu-Ala-Ser-Asn-Ala-Leu-Ile-
31 Thr-Thr-Asn-Ala-Thr-Cys-Gly-Glu-Lys-Gly-
41 Pro-Glu-Met-Tyr-Cys-Lys-Leu-Val-Glu-His-

51 Val-Pro-Gly-Gln-Pro-Val-Arg-Asn-Pro-Gln-
61 Cys-Arg-Ile-Cys-Asn-Gln-Asn-Ser-Ser-Asn-
71 Pro-Asn-Gln-Arg-His-Pro-Ile-Thr-Asn-Ala-
81 Ile-Asp-Gly-Lys-Asn-Thr-Trp-Tyr-Gln-Ser-
91 Pro-Ser-Ile-Lys-Asn-Gly-Ile-Glu-Tyr-His-
101 Tyr-Val-Thr-Ile-Thr-Leu-Asp-Leu-Gln-Gln-
111 Val-Phe-Gln-Ile-Ala-Tyr-Val-Ile-Val-Lys-
121 Ala-Ala-Asn-Ser-Pro-Arg-Pro-Gly-Asn-Trp-
131 Ile-Leu-Glu-Arg-Ser-Leu-Asp-Asp-Val-Glu-
141 Tyr-Lys-Pro-Trp-Gln-Tyr-His-Ala-Ile-Thr-
151 Asp-Thr-Glu-Cys-Leu-Thr-Leu-Tyr-Asn-Ile-
161 Tyr-Pro-Arg-Thr-Gly-Pro-Pro-Ser-Tyr-Ala-
171 Lys-Asp-Arg-Glu-Val-Ile-Cys-Thr-Ser-Phe-
181 Tyr-Ser-Lys-Ile-His-Pro-Leu-Glu-Asn-Gly-
191 Glu-Ile-His-Ile-Ser-Leu-Ile-Asp-Gly-Arg-
201 Pro-Ser-Ala-Asp-Asp-Pro-Ser-Pro-Glu-Leu-
211 Leu-Glu-Phe-Thr-Ser-Ala-Arg-Tyr-Ile-Arg-
221 Leu-Arg-Phe-Gln-Arg-Ile-Arg-Thr-Leu-Asn-
231 Ala-Asp-Leu-Met-Met-Phe-Ala-His-Lys-Asp-
241 Pro-Arg-Glu-Ile-Asp-Pro-Ile-Val-Thr-Arg-
251 Arg-Tyr-Tyr-Ser-Val-Lys-Asp-Ile-Ser-
261 Val-Gly-Gly-Met-Cys-Ile-Cys-Tyr-Gly-His-
271 Ala-Arg-Ala-Cys-Pro-Leu-Asp-Pro-Ala-Thr-
281 Asn-Lys-Ser-Arg-Cys-Glu-Cys-Glu-His-Asn-
291 Thr-Cys-Gly-Asp-Ser-Cys-Asp-Gln-Cys-Cys-
301 Pro-Gly-Phe-His-Gln-Lys-Pro-Trp-Arg-Ala-
311 Gly-Thr-Phe-Leu-Thr-Lys-Thr-Glu-Cys-Glu-
321 Ala-Cys-Asn-Cys-His-Gly-Lys-Ala-Glu-Glu-
331 Cys-Tyr-Tyr-Asp-Glu-Asn-Val-Ala-Arg-Arg-
341 Asn-Leu-Ser-Leu-Asn-Ile-Arg-Gly-Lys-Tyr-
351 Ile-Gly-Gly-Gly-Val-Cys-Ile-Asn-Cys-Thr-
361 Gln-Asn-Thr-Ala-Gly-Ile-Asn-Cys-Glu-Thr-
371 Cys-Thr-Asp-Gly-Phe-Phe-Arg-Pro-Lys-Gly-
381 Val-Ser-Pro-Asn-Tyr-Pro-Arg-Pro-Cys-Gln-
391 Pro-Cys-His-Cys-Asp-Pro-Ile-Gly-Ser-Leu-
401 Asn-Glu-Val-Cys-Val-Lys-Asp-Glu-Lys-His-
411 Ala-Arg-Arg-Gly-Leu-Ala-Pro-Gly-Ser-Cys-
421 His-Cys-Lys-Thr-Gly-Phe-Gly-Gly-Val-Ser-
431 Cys-Asp-Arg-Cys-Ala-Arg-Gly-Tyr-Thr-Gly-
441 Tyr-Pro-Asp-Cys-Lys-Ala-Cys-Asn-Cys-Ser-
451 Gly-Leu-Gly-Ser-Lys-Asn-Glu-Asp-Pro-Cys-
461 Phe-Gly-Pro-Cys-Ile-Cys-Lys-Glu-Asn-Val-
471 Glu-Gly-Gly-Asp-Cys-Ser-Arg-Cys-Lys-Ser-
481 Gly-Phe-Phe-Asn-Leu-Gln-Glu-Asp-Asn-Trp-
491 Lys-Gly-Cys-Asp-Glu-Cys-Phe-Cys-Ser-Gly-
501 Val-Ser-Asn-Arg-Cys-Gln-Ser-Ser-Tyr-Trp-
511 Thr-Tyr-Gly-Lys-Ile-Gln-Asp-Met-Ser-Gly-
521 Trp-Tyr-Leu-Thr-Asp-Leu-Pro-Gly-Arg-Ile-
531 Arg-Val-Ala-Pro-Gln-Gln-Asp-Asp-Leu-Asp-
541 Ser-Pro-Gln-Gln-Ile-Ser-Ile-Ser-Asn-Ala-
551 Glu-Ala-Arg-Gln-Ala-Leu-Pro-His-Ser-Tyr-
561 Tyr-Trp-Ser-Ala-Pro-Ala-Pro-Tyr-Leu-Gly-
571 Asn-Lys-Leu-Pro-Ala-Val-Gly-Gly-Gln-Leu-
581 Thr-Phe-Thr-Ile-Ser-Tyr-Asp-Leu-Glu-Glu-
591 Glu-Glu-Glu-Asp-Thr-Glu-Arg-Val-Leu-Gln-

601 Leu-Met-Ile-Ile-Leu-Glu-Gly-Asn-Asp-Leu-
611 Ser-Ile-Ser-Thr-Ala-Gln-Asp-Glu-Val-Tyr-
621 Leu-His-Pro-Ser-Glu-Glu-His-Thr-Asn-Val-
631 Leu-Leu-Leu-Lys-Glu-Glu-Ser-Phe-Thr-Ile-
641 His-Gly-Thr-His-Phe-Pro-Val-Arg-Arg-Lys-
651 Glu-Phe-Met-Thr-Val-Leu-Ala-Asn-Leu-Lys-
661 Arg-Val-Leu-Leu-Gln-Ile-Thr-Tyr-Ser-Phe-
671 Gly-Met-Asp-Ala-Ile-Phe-Arg-Leu-Ser-Ser-
681 Val-Asn-Leu-Glu-Ser-Ala-Val-Ser-Tyr-Pro-
691 Thr-Asp-Gly-Ser-Ile-Ala-Ala-Ala-Val-Glu-
701 Val-Cys-Gln-Cys-Pro-Pro-Gly-Tyr-Thr-Gly-
711 Ser-Ser-Cys-Glu-Ser-Cys-Tip-Pro-Arg-His-
721 Arg-Arg-Val-Asn-Gly-Thr-Ile-Phe-Gly-Gly-
731 Ile-Cys-Glu-Pro-Cys-Gln-Cys-Phe-Gly-His-
741 Ala-Glu-Ser-Cys-Asp-Asp-Val-Thr-Gly-Glu-
751 Cys-Leu-Asn-Cys-Lys-Asp-His-Thr-Gly-Gly-
761 Pro-Tyr-Cys-Asp-Lys-Cys-Leu-Pro-Gly-Phe-
771 Tyr-Gly-Glu-Pro-Thr-Lys-Gly-Thr-Ser-Glu-
781 Asp-Cys-Gln-Pro-Cys-Ala-Cys-Pro-Leu-Asn-
791 Ile-Pro-Ser-Asn-Asn-Phe-Ser-Pro-Thr-Cys-
801 His-Leu-Asp-Arg-Ser-Leu-Gly-Leu-Ile-Cys-
811 Asp-Gly-Cys-Pro-Val-Gly-Tyr-Thr-Gly-Pro-
821 Arg-Cys-Glu-Arg-Cys-Ala-Glu-Gly-Tyr-Phe-
831 Gly-Gln-Pro-Ser-Val-Pro-Gly-Gly-Ser-Cys-
841 Gln-Pro-Cys-Gln-Cys-Asn-Asp-Asn-Leu-Asp-
851 Phe-Ser-Ile-Pro-Gly-Ser-Cys-Asp-Ser-Leu-
861 Ser-Gly-Ser-Cys-Leu-Ile-Cys-Lys-Pro-Gly-
871 Thr-Thr-Gly-Arg-Tyr-Cys-Glu-Leu-Cys-Ala-
881 Asp-Gly-Tyr-Phe-Gly-Asp-Ala-Val-Asp-Ala-
891 Lys-Asn-Cys-Gln-Pro-Cys-Arg-Cys-Asn-Ala-
901 Gly-Gly-Ser-Phe-Ser-Glu-Val-Cys-His-Ser-
911 Gln-Thr-Gly-Gln-Cys-Glu-Cys-Arg-Ala-Asn-
921 Val-Gln-Gly-Gln-Arg-Cys-Asp-Lys-Cys-Lys-
931 Ala-Gly-Thr-Phe-Gly-Leu-Gln-Ser-Ala-Arg-
941 Gly-Cys-Val-Pro-Cys-Asn-Cys-Asn-Ser-Phe-
951 Gly-Ser-Lys-Ser-Phe-Asp-Cys-Glu-Glu-Ser-
961 Gly-Gln-Cys-Tip-Cys-Gln-Pro-Gly-Val-Thr-
971 Gly-Lys-Lys-Cys-Asp-Arg-Cys-Ala-His-Gly-
981 Tyr-Phe-Asn-Phe-Gln-Glu-Gly-Gly-Cys-Thr-
991 Ala-Cys-Glu-Cys-Ser-His-Leu-Gly-Asn-Asn-
1001 Cys-Asp-Pro-Lys-Thr-Gly-Arg-Cys-Ile-Cys-
1011 Pro-Pro-Asn-Thr-Ile-Gly-Glu-Lys-Cys-Ser-
1021 Lys-Cys-Ala-Pro-Asn-Thr-Tip-Gly-His-Ser-
1031 Ile-Thr-Thr-Gly-Cys-Lys-Ala-Cys-Asn-Cys-
1041 Ser-Thr-Val-Gly-Ser-Leu-Asp-Phe-Gln-Cys-
1051 Asn-Val-Asn-Thr-Gly-Gln-Cys-Asn-Cys-His-
1061 Pro-Lys-Phe-Ser-Gly-Ala-Lys-Cys-Thr-Glu-
1071 Cys-Ser-Arg-Gly-His-Tip-Asn-Tyr-Pro-Arg-
1081 Cys-Asn-Leu-Cys-Asp-Cys-Phe-Leu-Pro-Gly-
1091 Thr-Asp-Ala-Thr-Thr-Cys-Asp-Ser-Glu-Thr-
1101 Lys-Lys-Cys-Ser-Cys-Ser-Asp-Gln-Thr-Gly-
1111 Gln-Cys-Thr-Cys-Lys-Val-Asn-Val-Glu-Gly-
1121 Ile-His-Cys-Asp-Arg-Cys-Arg-Pro-Gly-Lys-
1131 Phe-Gly-Leu-Asp-Ala-Lys-Asn-Pro-Leu-Gly-
1141 Cys-Ser-Ser-Cys-Tyr-Cys-Phe-Gly-Thr-Thr-
1151 Thr-Gln-Cys-Ser-Glu-Ala-Lys-Gly-Leu-Ile-
1161 Arg-Thr-Trp-Val-Thr-Leu-Lys-Ala-Glu-Gln-

1171 Thr-Ile-Leu-Pro-Leu-Val-Asp-Glu-Ala-Leu-
1181 Gln-His-Thr-Thr-Lys-Gly-Ile-Val-Phe-
1191 Gln-His-Pro-Glu-Ile-Val-Ala-His-Met-Asp-
1201 Leu-Met-Arg-Glu-Asp-Leu-His-Leu-Glu-Pro-
1211 Phe-Tyr-Trp-Lys-Leu-Pro-Glu-Glu-Phe-Glu-
1221 Gly-Lys-Lys-Leu-Met-Ala-Tyr-Glu-Lys-
1231 Leu-Lys-Tyr-Ala-Ile-Tyr-Phe-Glu-Ala-Arg-
1241 Glu-Glu-Thr-Gly-Phe-Ser-Thr-Tyr-Asn-Pro-
1251 Gln-Val-Ile-Ile-Arg-Gly-Thr-Pro-Thr-
1261 His-Ala-Arg-Ile-Ile-Val-Arg-His-Met-Ala-
1271 Ala-Pro-Leu-Ile-Gly-Gln-Leu-Thr-Arg-His-
1281 Glu-Ile-Glu-Met-Thr-Glu-Lys-Glu-Tip-Lys-
1291 Tyr-Tyr-Gly-Asp-Asp-Pro-Arg-Val-His-Arg-
1301 Thr-Val-Thr-Arg-Glu-Asp-Phe-Leu-Ile-
1311 Leu-Tyr-Asp-Ile-His-Tyr-Ile-Leu-Ile-Lys-
1321 Ala-Thr-Tyr-Gly-Asn-Phe-Met-Arg-Gln-Ser-
1331 Arg-Ile-Ser-Glu-Ile-Ser-Met-Glu-Val-Ala-
1341 Glu-Gln-Gly-Arg-Gly-Thr-Thr-Met-Thr-Pro-
1351 Pro-Ala-Asp-Leu-Ile-Glu-Lys-Cys-Asp-Cys-
1361 Pro-Leu-Gly-Tyr-Ser-Gly-Leu-Ser-Cys-Glu-
1371 Ala-Cys-Leu-Pro-Gly-Phe-Tyr-Arg-Leu-Arg-
1381 Ser-Gln-Pro-Gly-Gly-Arg-Thr-Pro-Gly-Pro-
1391 Thr-Leu-Gly-Thr-Cys-Val-Pro-Cys-Gln-Cys-
1401 Asn-Gly-His-Ser-Ser-Leu-Cys-Asp-Pro-Glu-
1411 Thr-Ser-Ile-Cys-Gln-Asn-Cys-Gln-His-His-
1421 Thr-Ala-Gly-Asp-Phe-Cys-Glu-Arg-Cys-Ala-
1431 Leu-Gly-Tyr-Tyr-Gly-Ile-Val-Lys-Gly-Leu-
1441 Pro-Asn-Asp-Cys-Gln-Gln-Cys-Ala-Cys-Pro-
1451 Leu-Ile-Ser-Ser-Ser-Asn-Asn-Phe-Ser-Pro-
1461 Ser-Cys-Val-Ala-Glu-Gly-Leu-Asp-Asp-Tyr-
1471 Arg-Cys-Thr-Ala-Cys-Pro-Arg-Gly-Tyr-Glu-
1481 Gly-Gln-Tyr-Cys-Glu-Arg-Cys-Ala-Pro-Gly-
1491 Tyr-Thr-Gly-Ser-Pro-Gly-Asn-Pro-Gly-Gly-
1501 Ser-Cys-Gln-Glu-Cys-Glu-Cys-Asp-Pro-Tyr-
1511 Gly-Ser-Leu-Pro-Val-Pro-Cys-Asp-Pro-Val-
1521 Thr-Gly-Phe-Cys-Thr-Cys-Arg-Pro-Gly-Ala-
1531 Thr-Gly-Arg-Lys-Cys-Asp-Gly-Cys-Lys-His-
1541 Tip-His-Ala-Arg-Glu-Gly-Tip-Glu-Cys-Val-
1551 Phe-Cys-Gly-Asp-Glu-Cys-Thr-Gly-Leu-Leu-
1561 Leu-Gly-Asp-Leu-Ala-Arg-Leu-Glu-Met-
1571 Val-Met-Ser-Ile-Asn-Leu-Thr-Gly-Pro-Leu-
1581 Pro-Ala-Pro-Tyr-Lys-Met-Leu-Tyr-Gly-Leu-
1591 Glu-Asn-Met-Thr-Gln-Glu-Leu-Lys-His-Leu-
1601 Leu-Ser-Pro-Gln-Arg-Ala-Pro-Glu-Arg-Leu-
1611 Ile-Gln-Leu-Ala-Glu-Gly-Asn-Leu-Thr-
1621 Leu-Val-Thr-Glu-Met-Asn-Glu-Leu-Leu-Thr-
1631 Arg-Ala-Thr-Lys-Val-Thr-Ala-Asp-Gly-Glu-
1641 Gln-Thr-Gly-Gln-Asp-Ala-Glu-Arg-Thr-Asn-
1651 Thr-Arg-Ala-Lys-Ser-Leu-Gly-Glu-Phe-Ile-
1661 Lys-Glu-Leu-Ala-Arg-Asp-Ala-Glu-Ala-Val-
1671 Asn-Glu-Lys-Ala-Ile-Lys-Leu-Asn-Glu-Thr-
1681 Leu-Gly-Thr-Arg-Asp-Glu-Ala-Phe-Glu-Arg-
1691 Asn-Leu-Glu-Gly-Leu-Gln-Lys-Glu-Ile-Asp-
1701 Gln-Met-Ile-Lys-Glu-Leu-Arg-Arg-Lys-Asn-
1711 Leu-Glu-Thr-Gln-Lys-Glu-Ile-Ala-Glu-Asp-
1721 Glu-Leu-Val-Ala-Ala-Glu-Ala-Leu-Leu-Lys-
1731 Lys-Val-Lys-Lys-Leu-Phe-Gly-Glu-Ser-Arg-

1741 Gly-Glu-Asn-Glu-Glu-Met-Glu-Lys-Asp-Leu-
 1751 Arg-Glu-Lys-Leu-Ala-Asp-Tyr-Lys-Asn-Lys-
 1761 Val-Asp-Asp-Ala-Tip-Asp-Leu-Leu-Arg-Glu-
 1771 Ala-Thr-Asp-Lys-Ile-Arg-Glu-Ala-Asn-Arg-
 1781 Leu-Phe-Ala-Val-Asn-Gln-Lys-Asn-Met-Thr-
 1791 Ala-Leu-Glu-Lys-Lys-Lys-Glu-Ala-Val-Glu-
 1801 Ser-Gly-Lys-Arg-Gln-Ile-Glu-Asn-Thr-Leu-
 1811 Lys-Glu-Lys-Asn-Asp-Ile-Leu-Asp-Glu-Ala-
 1821 Asn-Arg-Leu-Ala-Asp-Glu-Ile-Asn-Ser-Ile-
 1831 Ile-Asp-Tyr-Val-Glu-Asp-Ile-Gln-Thr-Lys-
 1841 Leu-Pro-Pro-Met-Ser-Glu-Glu-Leu-Asn-Asp-
 1851 Lys-Ile-Asp-Asp-Leu-Ser-Gln-Glu-Ile-Lys-
 1861 Asp-Arg-Lys-Leu-Ala-Glu-Lys-Val-Ser-Gln-
 1871 Ala-Glu-Ser-His-Ala-Ala-Gln-Leu-Asn-Asp-
 1881 Ser-Ser-Ala-Val-Leu-Asp-Gly-Ile-Leu-Asp-
 1891 Glu-Ala-Lys-Asn-Ile-Ser-Phe-Asn-Ala-Thr-
 1901 Ala-Ala-Phe-Lys-Ala-Tyr-Ser-Asn-Ile-Lys-
 1911 Asp-Tyr-Ile-Asp-Glu-Ala-Glu-Lys-Val-Ala-
 1921 Lys-Glu-Ala-Lys-Asp-Leu-Ala-His-Glu-Ala-
 1931 Thr-Lys-Leu-Ala-Thr-Gly-Pro-Arg-Lys-Leu-
 1941 Leu-Lys-Glu-Asp-Ala-Lys-Gly-Cys-Leu-Gln-
 1951 Lys-Ser-Phe-Arg-Ile-Leu-Asn-Glu-Ala-Lys-
 1961 Lys-Leu-Ala-Asn-Asp-Val-Lys-Glu-Asn-Glu-
 1971 Asp-His-Leu-Asn-Gly-Leu-Lys-Thr-Arg-Ile-
 1981 Glu-Asn-Ala-Asp-Ala-Arg-Asn-Gly-Asp-Leu-
 1991 Leu-Arg-Thr-Leu-Asn-Asp-Thr-Leu-Gly-Lys-
 2001 Leu-Ser-Ala-Ile-Pro-Asn-Asp-Thr-Ala-Ala-
 2011 Lys-Leu-Gln-Ala-Val-Lys-Asp-Lys-Ala-Arg-
 2021 Gln-Ala-Asn-Asp-Thr-Ala-Lys-Asp-Val-Leu-
 2031 Ala-Gln-Ile-Thr-Glu-Leu-His-Gln-Asn-Leu-
 2041 Asp-Gly-Leu-Lys-Lys-Asn-Tyr-Asn-Lys-Leu-
 2051 Ala-Asp-Ser-Val-Ala-Lys-Thr-Asn-Ala-Val-
 2061 Val-Lys-Asp-Pro-Ser-Lys-Asn-Lys-Ile-Ile-
 2071 Ala-Asp-Ala-Asp-Ala-Thr-Val-Lys-Asn-Leu-
 2081 Glu-Gln-Glu-Ala-Asp-Arg-Leu-Ile-Asp-Lys-
 2091 Leu-Lys-Pro-Ile-Lys-Glu-Leu-Glu-Asp-Asn-
 2101 Leu-Lys-Lys-Asn-Ile-Ser-Glu-Ile-Lys-Glu-
 2111 Leu-Ile-Asn-Gln-Ala-Arg-Lys-Gln-Ala-Asn-
 2121 Ser-Ile-Lys-Val-Ser-Val-Ser-Ser-Gly-Gly-
 2131 Asp-Cys-Ile-Arg-Thr-Tyr-Lys-Pro-Glu-Ile-
 2141 Lys-Lys-Gly-Ser-Tyr-Asn-Asn-Ile-Val-Val-
 2151 Asn-Val-Lys-Thr-Ala-Val-Ala-Asp-Asn-Leu-
 2161 Leu-Phe-Tyr-Leu-Gly-Ser-Ala-Lys-Phe-Ile-
 2171 Asp-Phe-Leu-Ala-Ile-Glu-Met-Arg-Lys-Gly-
 2181 Lys-Val-Ser-Phe-Leu-Tip-Asp-Val-Gly-Ser-
 2191 Gly-Val-Gly-Arg-Val-Glu-Tyr-Pro-Asp-Leu-
 2201 Thr-Ile-Asp-Asp-Ser-Tyr-Tip-Tyr-Arg-Ile-
 2211 Val-Ala-Ser-Arg-Thr-Gly-Arg-Asn-Gly-Thr-
 2221 Ile-Ser-Val-Arg-Ala-Leu-Asp-Gly-Pro-Lys-
 2231 Ala-Ser-Ile-Val-Pro-Ser-Thr-His-His-Ser-
 2241 Thr-Ser-Pro-Pro-Gly-Tyr-Thr-Ile-Leu-Asp-
 2251 Val-Asp-Ala-Asn-Ala-Met-Leu-Phe-Ala-Gly-
 2261 Gly-Leu-Thr-Gly-Lys-Leu-Lys-Val-Asp-
 2271 Ala-Val-Arg-Val-Ile-Thr-Phe-Thr-Gly-Cys-
 2281 Met-Gly-Glu-Thr-Tyr-Phe-Asp-Asn-Lys-Pro-
 2291 Ile-Gly-Leu-Tip-Asn-Phe-Arg-Glu-Lys-Glu-
 2301 Gly-Asp-Cys-Lys-Gly-Cys-Thr-Val-Ser-Pro-

2311 Gln-Val-Glu-Asp-Ser-Glu-Gly-Thr-Ile-Gln-
 2321 Phe-Asp-Gly-Glu-Gly-Tyr-Ala-Leu-Val-Ser-
 2331 Arg-Pro-Ile-Arg-Tip-Tyr-Pro-Asn-Ile-Ser-
 2341 Thr-Val-Met-Phe-Lys-Phe-Arg-Thr-Phe-Ser-
 2351 Ser-Ser-Ala-Leu-Leu-Met-Tyr-Leu-Ala-Thr-
 2361 Arg-Asp-Leu-Arg-Asp-Phe-Met-Ser-Val-Glu-
 2371 Leu-Thr-Asp-Gly-His-Ile-Lys-Val-Ser-Tyr-
 2381 Asp-Leu-Gly-Ser-Gly-Met-Ala-Ser-Val-Val-
 2391 Ser-Asn-Gln-Asn-His-Asn-Asp-Gly-Lys-Tip-
 2401 Lys-Ser-Phe-Thr-Leu-Ser-Arg-Ile-Gln-Lys-
 2411 Gln-Ala-Asn-Ile-Ser-Ile-Val-Asp-Ile-Asp-
 2421 Thr-Asn-Gln-Glu-Asn-Ile-Ala-Thr-Ser-
 2431 Ser-Ser-Gly-Asn-Asn-Phe-Gly-Leu-Asp-Leu-
 2441 Lys-Ala-Asp-Asp-Lys-Ile-Tyr-Phe-Gly-Gly-
 2451 Leu-Pro-Thr-Leu-Arg-Asn-Leu-Ser-Met-Lys-
 2461 Ala-Arg-Pro-Glu-Val-Asn-Leu-Lys-Lys-Tyr-
 HITS AT: 505-512

L7 ANSWER 30 OF 36 DEBNE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAB19791 Protein DEBNE
 TI Purified laminin 2 protein, useful for research and therapeutic purposes
 including peripheral nerve regeneration, treatment of degenerative muscle
 disorders, angiogenesis regulation, and ex vivo cell therapy -
 Yurchenco P
 IN (UYNE-N) UNITV NEW JERSEY MEDICINE & DENTISTRY.
 PA ***NO 2000066730 A2 20001109 305p***
 PI WO 2000-US11378 20000428
 PRAI US 1999-131720 19990430
 US 1999-139198 19990615
 US 1999-143289 19990712
 US 1999-155945 19990924

DT Patent
 LA English
 OS 2000-667537 (67)
 CR N-PSDB: AAB08891
 DESC Human laminin 2 alpha-2 chain.
 AN AAB19791 Protein DEBNE
 AA 206A; 157R; 162N; 183D; 0 B; 162C; 119Q; 204E; 0 Z; 262G; 70 H; 165I;
 246L; 186K; 46 M; 104F; 172P; 193S; 193T; 27 W; 96 Y; 157V; 0 Others
 SOL 310

1 Met-Pro-Gly-Ala-Ala-Gly-Val-Leu-Leu-Leu-
 11 Leu-Leu-Leu-Ser-Gly-Gly-Leu-Gly-Gly-Val-
 21 Gln-Ala-Gln-Arg-Pro-Gln-Gln-Gln-Arg-Gln-
 31 Ser-Gln-Ala-His-Gln-Gln-Arg-Gly-Leu-Phe-
 41 Pro-Ala-Val-Leu-Asn-Leu-Ala-Ser-Asn-Ala-
 51 Leu-Ile-Thr-Thr-Asp-Ala-Thr-Cys-Gly-Glu-
 61 Lys-Gly-Pro-Glu-Met-Tyr-Cys-Lys-Leu-Val-
 71 Glu-His-Val-Pro-Gly-Gln-Pro-Val-Arg-Asn-
 81 Pro-Gln-Cys-Arg-Ile-Cys-Asn-Gln-Asn-Ser-
 91 Ser-Asn-Pro-Asn-Gln-Arg-His-Pro-Ile-Thr-
 101 Asn-Ala-Ile-Asp-Gly-Lys-Asn-Gly-Tip-Tip-
 111 Gln-Ser-Pro-Ser-Ile-Lys-Asn-Gly-Ile-Glu-
 121 Tyr-His-Tyr-Val-Thr-Ile-Thr-Leu-Asp-Leu-
 131 Gln-Gln-Val-Phe-Gln-Ile-Ala-Tyr-Val-Ile-
 141 Val-Lys-Ala-Ala-Asn-Ser-Pro-Arg-Pro-Gly-
 151 Asn-Tip-Ile-Leu-Glu-Arg-Ser-Leu-Asp-Asp-

161 Val-Glu-Tyr-Lys-Pro-Tip-Gln-Tyr-His-Ala-
171 Val-Thr-Asp-Thr-Glu-Cys-Leu-Thr-Leu-Tyr-
181 Asn-Ile-Tyr-Pro-Arg-Thr-Gly-Pro-Pro-Ser-
191 Tyr-Ala-Lys-Asp-Asp-Glu-Val-Ile-Cys-Thr-
201 Ser-Phe-Tyr-Ser-Lys-Ile-His-Pro-Leu-Glu-
211 Asn-Gly-Glu-Ile-His-Ile-Ser-Leu-Ile-Asn-
221 Gly-Arg-Pro-Ser-Ala-Asp-Asp-Pro-Ser-Pro-
231 Glu-Leu-Leu-Glu-Phe-Thr-Ser-Ala-Arg-Tyr-
241 Ile-Arg-Leu-Arg-Phe-Gln-Arg-Ile-Arg-Thr-
251 Leu-Asn-Ala-Asp-Leu-Met-Met-Phe-Ala-His-
261 Lys-Asp-Pro-Arg-Glu-Ile-Asp-Pro-Ile-Val-
271 Thr-Arg-Arg-Tyr-Tyr-Ser-Lys-Ile-Cys-Asp-
281 Ile-Ser-Val-Gly-Gly-Met-Cys-Ile-Cys-Tyr-
291 Gly-His-Ala-Arg-Ala-Cys-Pro-Leu-Asp-Pro-
301 Ala-Thr-Asn-Lys-Ser-Arg-Cys-Glu-Cys-Glu-
311 His-Asn-Thr-Cys-Gly-Asp-Ser-Cys-Asp-Gln-
321 Cys-Cys-Pro-Gly-Phe-His-Gln-Lys-Pro-Tip-
331 Arg-Ala-Gly-Thr-Phe-Leu-Thr-Lys-Thr-Glu-
341 Cys-Glu-Ala-Cys-Asn-Cys-His-Gly-Lys-Ala-
351 Glu-Glu-Cys-Tyr-Tyr-Asp-Glu-Asn-Val-Ala-
361 Arg-Arg-Asn-Leu-Ser-Leu-Asn-Ile-Arg-Gly-
371 Lys-Tyr-Ile-Gly-Gly-Gly-Val-Cys-Ile-Asn-
381 Cys-Thr-Gln-Asn-Thr-Ala-Gly-Ile-Asn-Cys-
391 Glu-Thr-Cys-Thr-Asp-Gly-Phe-Phe-Arg-Pro-
401 Lys-Gly-Val-Ser-Pro-Asn-Tyr-Pro-Arg-Pro-
411 Cys-Gln-Pro-Cys-His-Cys-Asp-Pro-Ile-Gly-
421 Ser-Leu-Asn-Glu-Val-Cys-Val-Lys-Asp-Glu-
431 Lys-His-Ala-Arg-Arg-Gly-Leu-Ala-Pro-Gly-
441 Ser-Cys-His-Cys-Lys-Thr-Gly-Phe-Gly-Gly-
451 Val-Ser-Cys-Asp-Arg-Cys-Ala-Arg-Gly-Tyr-
461 Thr-Gly-Tyr-Pro-Asp-Cys-Lys-Ala-Cys-Asn-
471 Cys-Ser-Gly-Leu-Gly-Ser-Lys-Asn-Glu-Asp-
481 Pro-Cys-Phe-Gly-Pro-Cys-Ile-Cys-Lys-Glu-
491 Asn-Val-Glu-Gly-Gly-Asp-Cys-Ser-Arg-Cys-
501 Lys-Ser-Gly-Phe-Phe-Asn-Leu-Gln-Glu-Asp-
511 Asn-Tip-Lys-Gly-Cys-Asp-Glu-Cys-Phe-Cys-
521 Ser-Gly-Val-Ser-Asn-Arg-Cys-Gln-Ser-Ser-
531 Tyr-Tip-Thr-Tyr-Gly-Lys-Ile-Gln-Asp-Met-
541 Ser-Gly-Tyr-Tyr-Leu-Thr-Asp-Leu-Pro-Gly-
551 Arg-Ile-Arg-Val-Ala-Pro-Gln-Gln-Asp-Asp-
561 Leu-Asp-Ser-Pro-Gln-Gln-Ile-Ser-Ile-Ser-
571 Asn-Ala-Glu-Ala-Arg-Gln-Ala-Leu-Pro-His-
581 Ser-Tyr-Tyr-Tip-Ser-Ala-Pro-Ala-Pro-Tyr-
591 Leu-Gly-Asn-Lys-Leu-Pro-Ala-Val-Gly-Gly-
601 Gln-Leu-Thr-Phe-Thr-Ile-Ser-Tyr-Asp-Leu-
611 Glu-Glu-Glu-Glu-Asp-Thr-Glu-Arg-Val-
621 Leu-Gln-Leu-Met-Ile-Ile-Leu-Glu-Gly-Asn-
631 Asp-Leu-Ser-Ile-Ser-Thr-Ala-Gln-Asp-Glu-
641 Val-Tyr-Leu-His-Pro-Ser-Glu-Glu-His-Thr-
651 Asn-Val-Leu-Leu-Leu-Lys-Glu-Glu-Ser-Phe-
661 Thr-Ile-His-Gly-Thr-His-Phe-Pro-Val-Arg-
671 Arg-Lys-Glu-Phe-Met-Thr-Val-Leu-Ala-Asn-
681 Leu-Lys-Arg-Val-Leu-Leu-Gln-Ile-Thr-Tyr-
691 Ser-Phe-Gly-Met-Asp-Ala-Ile-Phe-Arg-Leu-
701 Ser-Ser-Val-Asn-Leu-Glu-Ser-Ala-Val-Ser-

711 Tyr-Pro-Thr-Asp-Gly-Ser-Ile-Ala-Ala-Ala-
721 Val-Glu-Val-Cys-Gln-Cys-Pro-Pro-Gly-Tyr-
731 Thr-Gly-Ser-Ser-Cys-Glu-Ser-Cys-Tip-Pro-
741 Arg-His-Arg-Arg-Val-Asn-Gly-Thr-Ile-Phe-
751 Gly-Gly-Ile-Cys-Glu-Pro-Cys-Gln-Cys-Phe-
761 Gly-His-Ala-Glu-Ser-Cys-Asp-Asp-Val-Thr-
771 Gly-Glu-Cys-Leu-Asn-Cys-Lys-Asp-His-Thr-
781 Gly-Gly-Pro-Tyr-Cys-Asp-Lys-Cys-Leu-Pro-
791 Gly-Phe-Tyr-Gly-Glu-Pro-Thr-Lys-Gly-Thr-
801 Ser-Glu-Asp-Cys-Gln-Pro-Cys-Ala-Cys-Pro-
811 Leu-Asn-Ile-Pro-Ser-Asn-Asn-Phe-Ser-Pro-
821 Thr-Cys-His-Leu-Asp-Arg-Ser-Leu-Gly-Leu-
831 Ile-Cys-Asp-Gly-Cys-Pro-Val-Gly-Tyr-Thr-
841 Gly-Pro-Arg-Cys-Glu-Arg-Cys-Ala-Glu-Gly-
851 Tyr-Phe-Gln-Gln-Pro-Ser-Val-Pro-Gly-Gly-
861 Ser-Cys-Gln-Pro-Cys-Gln-Cys-Asn-Asp-Asp-
871 Leu-Asp-Phe-Ser-Ile-Pro-Gly-Ser-Cys-Asp-
881 Ser-Leu-Ser-Ile-Ser-Cys-Leu-Ile-Cys-Lys-
891 Pro-Gly-Thr-Thr-Gly-Arg-Tyr-Cys-Glu-Leu-
901 Cys-Ala-Asp-Gly-Tyr-Phe-Gly-Asp-Ala-Val-
911 Asp-Ala-Lys-Asn-Cys-Gln-Pro-Cys-Arg-Cys-
921 Asn-Ala-Gly-Gly-Ser-Phe-Ser-Glu-Val-Cys-
931 His-Ser-Gln-Thr-Gly-Gln-Cys-Glu-Cys-Arg-
941 Ala-Asn-Val-Gln-Gly-Gln-Arg-Cys-Asp-Lys-
951 Cys-Lys-Ala-Gly-Thr-Phe-Gly-Leu-Gln-Ser-
961 Ala-Arg-Gly-Cys-Val-Pro-Cys-Asn-Cys-Asn-
971 Ser-Phe-Gly-Ser-Lys-Ser-Phe-Asp-Cys-Glu-
981 Glu-Ser-Gly-Gln-Cys-Tip-Cys-Gln-Pro-Gly-
991 Val-Thr-Gly-Lys-Lys-Cys-Asp-Arg-Cys-Ala-
1001 His-Gly-Tyr-Phe-Asn-Phe-Gln-Glu-Gly-Gly-
1011 Cys-Thr-Ala-Cys-Glu-Cys-Ser-His-Leu-Gly-
1021 Asn-Asn-Cys-Asp-Pro-Lys-Thr-Gly-Arg-Cys-
1031 Ile-Cys-Pro-Pro-Asn-Thr-Ile-Gly-Glu-Lys-
1041 Cys-Ser-Lys-Cys-Ala-Pro-Asn-Thr-Tip-Gly-
1051 His-Ser-Ile-Thr-Thr-Gly-Cys-Lys-Ala-Cys-
1061 Asn-Cys-Ser-Thr-Val-Gly-Ser-Leu-Asp-Phe-
1071 Gln-Cys-Asn-Val-Asn-Thr-Gly-Leu-Asp-Phe-
1081 Cys-His-Pro-Lys-Phe-Ser-Gly-Ala-Lys-Cys-
1091 Thr-Glu-Cys-Ser-Arg-Gly-His-Tip-Asn-Tyr-
1101 Pro-Arg-Cys-Asn-Leu-Cys-Asp-Cys-Phe-Leu-
1111 Pro-Gly-Thr-Asp-Ala-Thr-Thr-Cys-Asp-Ser-
1121 Gly-Thr-Lys-Lys-Cys-Ser-Cys-Ser-Asp-Gln-
1131 Thr-Gly-Gln-Cys-Thr-Cys-Lys-Val-Asn-Val-
1141 Glu-Gly-Ile-His-Cys-Asp-Arg-Cys-Arg-Pro-
1151 Gly-Lys-Phe-Gly-Leu-Asp-Ala-Lys-Asn-Pro-
1161 Leu-Gly-Cys-Ser-Ser-Cys-Tyr-Cys-Phe-Gly-
1171 Thr-Thr-Thr-Gln-Cys-Ser-Glu-Ala-Lys-Gly-
1181 Leu-Ile-Arg-Thr-Tip-Val-Thr-Leu-Lys-Ala-
1191 Glu-Gln-Thr-Ile-Leu-Pro-Leu-Val-Asp-Glu-
1201 Ala-Leu-Gln-His-Thr-Thr-Thr-Lys-Gly-Ile-
1211 Val-Phe-Gln-His-Pro-Glu-Ile-Val-Ala-His-
1221 Met-Asp-Leu-Met-Arg-Glu-Asp-Leu-His-Leu-
1231 Glu-Pro-Phe-Tyr-Tip-Lys-Leu-Pro-Glu-Gln-
1241 Phe-Glu-Gly-Lys-Lys-Leu-Met-Ala-Tyr-Gly-
1251 Gly-Lys-Leu-Lys-Tyr-Ala-Ile-Tyr-Phe-Gly-
1261 Ala-Arg-Glu-Glu-Thr-Gly-Phe-Ser-Thr-Tyr-
1271 Asn-Pro-Gln-Val-Ile-Ile-Arg-Gly-Gly-Thr-

1281 Pro-Thr-His-Ala-Arg-Ile-Ile-Val-Arg-His-
1289 Met-Ala-Ala-Pro-Leu-Ile-Gly-Gln-Leu-Thr-
1301 Arg-His-Glu-Ile-Glu-Met-Thr-Glu-Lys-Glu-
1311 Trp-Lys-Tyr-Tyr-Gly-Asp-Asp-Pro-Arg-Val-
1321 His-Arg-Thr-Val-Thr-Arg-Glu-Asp-Phe-Leu-
1331 Asp-Ile-Leu-Tyr-Asp-Ile-His-Tyr-Ile-Leu-
1341 Ile-Lys-Ala-Thr-Tyr-Gly-Asn-Phe-Met-Arg-
1351 Gln-Ser-Arg-Ile-Ser-Glu-Ile-Ser-Met-Glu-
1361 Val-Ala-Glu-Gln-Gly-Arg-Gly-Thr-Met-
1371 Thr-Pro-Pro-Ala-Asp-Leu-Ile-Glu-Lys-Cys-
1381 Asp-Cys-Pro-Leu-Gly-Tyr-Ser-Gly-Leu-Ser-
1391 Cys-Glu-Ala-Cys-Leu-Pro-Gly-Phe-Tyr-Arg-
1401 Leu-Arg-Ser-Gln-Pro-Gly-Gly-Arg-Thr-Cys-
1411 Gly-Pro-Thr-Leu-Gly-Thr-Cys-Val-Pro-Cys-
1421 Gln-Cys-Asn-Gly-His-Ser-Ser-Leu-Cys-Gln-
1431 Pro-Glu-Thr-Ser-Ile-Cys-Gln-Asn-Cys-Gln-
1441 His-His-Thr-Ala-Gly-Asp-Phe-Cys-Glu-Arg-
1451 Cys-Ala-Leu-Gly-Tyr-Tyr-Gly-Ile-Val-Lys-
1461 Gly-Leu-Pro-Asn-Asp-Cys-Gln-Gln-Cys-Ala-
1471 Cys-Pro-Leu-Ile-Ser-Ser-Ser-Asn-Asn-Phe-
1481 Ser-Pro-Ser-Cys-Val-Ala-Glu-Gly-Leu-Asp-
1491 Asp-Tyr-Arg-Cys-Thr-Ala-Cys-Pro-Arg-Gly-
1501 Tyr-Glu-Gly-Gln-Tyr-Cys-Glu-Arg-Cys-Ala-
1511 Pro-Gly-Tyr-Thr-Gly-Ser-Pro-Gly-Asn-Pro-
1521 Gly-Gly-Ser-Cys-Gln-Glu-Cys-Glu-Cys-Asp-
1531 Pro-Tyr-Gly-Ser-Leu-Pro-Val-Pro-Cys-Asp-
1541 Gly-Val-Thr-Gly-Phe-Cys-Thr-Cys-Arg-Pro-
1551 Gly-Ala-Thr-Gly-Arg-Lys-Cys-Asp-Gly-Cys-
1561 Lys-His-Trp-His-Ala-Arg-Glu-Gly-Trp-Gly-
1571 Cys-Val-Phe-Cys-Gly-Asp-Glu-Cys-Thr-Gly-
1581 Leu-Leu-Leu-Gly-Asp-Leu-Ala-Arg-Leu-Glu-
1591 Gln-Met-Val-Met-Ser-Ile-Asn-Leu-Thr-Gly-
1601 Pro-Leu-Pro-Ala-Pro-Tyr-Lys-Met-Leu-Tyr-
1611 Gly-Leu-Glu-Asn-Met-Thr-Gln-Glu-Leu-Lys-
1621 His-Leu-Leu-Ser-Pro-Gln-Arg-Ala-Pro-Glu-
1631 Arg-Leu-Ile-Gln-Leu-Ala-Glu-Gly-Asn-Leu-
1641 Asn-Thr-Leu-Val-Thr-Glu-Met-Asn-Glu-Leu-
1651 Leu-Thr-Arg-Ala-Thr-Lys-Val-Thr-Ala-Asp-
1661 Gly-Glu-Gln-Thr-Gly-Gln-Asp-Ala-Glu-Arg-
1671 Thr-Asn-Thr-Arg-Ala-Lys-Ser-Leu-Gly-Glu-
1681 Phe-Ile-Lys-Glu-Leu-Ala-Arg-Asp-Ala-Glu-
1691 Ala-Val-Asn-Glu-Lys-Ala-Ile-Lys-Leu-Asn-
1701 Gln-Thr-Leu-Gly-Thr-Arg-Asp-Glu-Ala-Phe-
1711 Glu-Arg-Asn-Leu-Glu-Gly-Leu-Gln-Lys-Glu-
1721 Ile-Asp-Gln-Met-Ile-Lys-Glu-Leu-Arg-Arg-
1731 Lys-Asn-Leu-Glu-Thr-Gln-Lys-Glu-Ile-Ala-
1741 Glu-Asp-Glu-Leu-Val-Ala-Ala-Glu-Ala-Leu-
1751 Leu-Lys-Lys-Val-Lys-Lys-Leu-Phe-Gly-Glu-
1761 Ser-Arg-Gly-Glu-Asn-Glu-Glu-Met-Glu-Lys-
1771 Asp-Leu-Arg-Glu-Lys-Leu-Ala-Asp-Tyr-Lys-
1781 Asn-Lys-Val-Asp-Asp-Ala-Trp-Asp-Leu-Leu-
1791 Arg-Glu-Ala-Thr-Asp-Lys-Ile-Arg-Glu-Ala-
1801 Asn-Arg-Leu-Phe-Ala-Val-Asn-Gln-Lys-Asn-
1811 Met-Thr-Ala-Leu-Glu-Lys-Lys-Lys-Glu-Ala-
1821 Val-Glu-Ser-Gly-Lys-Arg-Gln-Ile-Glu-Asn-
1831 Thr-Leu-Lys-Glu-Gly-Asn-Asp-Ile-Leu-Asp-
1841 Glu-Ala-Asn-Arg-Leu-Ala-Asp-Glu-Ile-Asn-

1851 Ser-Ile-Ile-Asp-Tyr-Val-Glu-Asp-Ile-Gln-
1861 Thr-Lys-Leu-Pro-Pro-Met-Ser-Glu-Glu-Leu-
1871 Asn-Asp-Lys-Ile-Asp-Asp-Leu-Ser-Gln-Glu-
1881 Ile-Lys-Asp-Arg-Lys-Leu-Ala-Glu-Lys-Val-
1891 Ser-Gln-Ala-Glu-Ser-His-Ala-Ala-Gln-Leu-
1901 Asn-Asp-Ser-Ser-Ala-Val-Leu-Asp-Gly-Ile-
1911 Leu-Asp-Glu-Ala-Lys-Asn-Ile-Ser-Phe-Asn-
1921 Ala-Thr-Ala-Ala-Phe-Lys-Ala-Tyr-Ser-Asn-
1931 Ile-Lys-Asp-Tyr-Ile-Asp-Glu-Ala-Glu-Lys-
1941 Val-Ala-Lys-Glu-Ala-Lys-Asp-Leu-Ala-His-
1951 Glu-Ala-Thr-Lys-Leu-Ala-Thr-Gly-Pro-Arg-
1961 Gly-Leu-Leu-Lys-Glu-Asp-Ala-Lys-Gly-Cys-
1971 Leu-Gln-Lys-Ser-Phe-Arg-Ile-Leu-Asn-Glu-
1981 Ala-Lys-Lys-Leu-Ala-Asn-Asp-Val-Lys-Glu-
1991 Asn-Glu-Asp-His-Leu-Asn-Gly-Leu-Lys-Thr-
2001 Arg-Ile-Glu-Asn-Ala-Asp-Ala-Arg-Asn-Gly-
2011 Asp-Leu-Leu-Arg-Thr-Leu-Asn-Asp-Thr-Leu-
2021 Gly-Lys-Leu-Ser-Ala-Ile-Pro-Asn-Asp-Thr-
2031 Ala-Ala-Lys-Leu-Gln-Ala-Val-Lys-Asp-Lys-
2041 Ala-Arg-Gln-Ala-Asn-Asp-Thr-Ala-Lys-Asp-
2051 Val-Leu-Ala-Gln-Ile-Thr-Glu-Leu-His-Gln-
2061 Asn-Leu-Asp-Gly-Leu-Lys-Lys-Asn-Tyr-Asn-
2071 Lys-Leu-Ala-Asp-Ser-Val-Ala-Lys-Thr-Asn-
2081 Ala-Val-Val-Lys-Asp-Pro-Ser-Lys-Asn-Lys-
2091 Ile-Ile-Ala-Asp-Ala-Asp-Ala-Thr-Val-Lys-
2101 Asn-Leu-Glu-Gln-Glu-Ala-Asp-Arg-Leu-Ile-
2111 Asp-Lys-Leu-Lys-Pro-Ile-Lys-Glu-Leu-Glu-
2121 Asp-Asn-Leu-Lys-Lys-Asn-Ile-Ser-Glu-Ile-
2131 Lys-Glu-Leu-Ile-Asn-Gln-Ala-Arg-Lys-Gln-
2141 Ala-Asn-Ser-Ile-Lys-Val-Ser-Val-Ser-Ser-
2151 Gly-Gly-Asp-Cys-Ile-Arg-Thr-Tyr-Lys-Pro-
2161 Gly-Ile-Lys-Lys-Gly-Ser-Tyr-Asn-Asn-Ile-
2171 Val-Val-Asn-Val-Lys-Thr-Ala-Val-Ala-Asp-
2181 Asn-Leu-Leu-Phe-Tyr-Leu-Gly-Ser-Ala-Lys-
2191 Phe-Ile-Asp-Phe-Leu-Ala-Ile-Glu-Met-Arg-
2201 Lys-Gly-Lys-Val-Ser-Phe-Leu-Trp-Asp-Val-
2211 Gly-Ser-Gly-Val-Gly-Arg-Val-Glu-Tyr-Pro-
2221 Asp-Leu-Thr-Ile-Asp-Asp-Ser-Tyr-Trp-Tyr-
2231 Arg-Ile-Val-Ala-Ser-Arg-Thr-Gly-Arg-Asn-
2241 Gly-Thr-Ile-Ser-Val-Arg-Ala-Leu-Asp-Gly-
2251 Pro-Lys-Ala-Ser-Ile-Val-Pro-Ser-Thr-His-
2261 His-Ser-Thr-Ser-Pro-Pro-Gly-Tyr-Thr-Ile-
2271 Leu-Asp-Val-Asp-Ala-Asn-Ala-Met-Leu-Phe-
2281 Val-Gly-Gly-Leu-Thr-Gly-Lys-Leu-Lys-Lys-
2291 Ala-Asp-Ala-Val-Arg-Val-Ile-Thr-Phe-Thr-
2301 Gly-Cys-Met-Gly-Glu-Thr-Tyr-Phe-Asp-Asn-
2311 Lys-Pro-Ile-Gly-Leu-Trp-Asn-Phe-Arg-Glu-
2321 Lys-Glu-Gly-Asp-Cys-Lys-Gly-Cys-Thr-Val-
2331 Ser-Pro-Gln-Val-Glu-Asp-Ser-Glu-Gly-Thr-
2341 Ile-Gln-Phe-Asp-Gly-Glu-Gly-Tyr-Ala-Leu-
2351 Val-Ser-Arg-Pro-Ile-Arg-Trp-Tyr-Pro-Asn-
2361 Ile-Ser-Thr-Val-Met-Phe-Lys-Phe-Arg-Thr-
2371 Phe-Ser-Ser-Ser-Ala-Leu-Leu-Met-Tyr-Leu-
2381 Ala-Thr-Arg-Asp-Leu-Arg-Asp-Phe-Met-Ser-
2391 Val-Glu-Leu-Thr-Asp-Gly-His-Ile-Lys-Val-
2401 Ser-Tyr-Asp-Leu-Gly-Ser-Gly-Met-Ala-Ser-
2411 Val-Val-Ser-Asn-Gln-Asn-His-Asn-Asp-Gly-

2421 Lys-Tip-Lys-Ser-Phe-Thr-Leu-Ser-Arg-Ile-
2431 Gln-Lys-Gln-Ala-Asn-Ile-Ser-Ile-Val-Asp-
2441 Ile-Asp-Thr-Asn-Gln-Glu-Ala-Asn-Ile-Ala-
2451 Thr-Ser-Ser-Gly-Asn-Asn-Phe-Gly-Leu-
2461 Asp-Leu-Lys-Ala-Asp-Asp-Lys-Ile-Tyr-Phe-
HITS AT: 527-534

FEATURE TABLE:

Key	Location Qualifier
Peptide	11..22 label signal_peptide

L7 ANSWE 31 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN AAY15460 Protein DGENE
T1 Purified lamtin 12 useful for promoting tissue repair and promoting
nerve growth
IN Brunken W; Burgess R E; Champliand M; Koch M; Olson P
PA (GEMO) GEN HOSPITAL CORP.
PI **WO 9919348 A1 19990422 86p***
AI WO 1998-US21391 19981008
PRAI US 1997-61609 19971010
DT Patent
LA English
OS 1999-326542 1271
CR N-PSDB: AAX59768
DESC Human laminin alpha 2 subunit.
AN AAY15460 Protein DGENE
AA 205A; 159R; 162N; 183D; 0 B; 162C; 119Q; 202E; 0 Z; 261G; 71 H; 166I;
246L; 184K; 46 W; 103E; 173P; 194S; 193I; 29 W; 96 Y; 156V; 0 Others
SQL 3110
SEQ3

1 Met-Pro-Gly-Ala-Ala-Gly-Val-Leu-Leu-Leu-
11 Leu-Leu-Leu-Ser-Gly-Gly-Leu-Gly-Gly-Val-
21 Gln-Ala-Gln-Arg-Pro-Gln-Gln-Arg-Gln-
31 Ser-Gln-Ala-His-Gln-Gln-Arg-Gly-Leu-Phe-
41 Pro-Ala-Val-Leu-Asn-Leu-Ala-Ser-Asn-Ala-
51 Leu-Ile-Thr-Thr-Asn-Ala-Thr-Cys-Gly-Glu-
61 Lys-Gly-Pro-Glu-Met-Tyr-Cys-Lys-Leu-Val-
71 Gln-His-Val-Pro-Gly-Gln-Pro-Val-Arg-Asn-
81 Pro-Gln-Cys-Arg-Ile-Cys-Asn-Gln-Asn-Ser-
91 Ser-Asn-Pro-Asn-Gln-Arg-His-Pro-Ile-Thr-
101 Asn-Ala-Ile-Asp-Gly-Lys-Asn-Thr-Tip-
111 Gln-Ser-Pro-Ser-Ile-Lys-Asn-Gly-Ile-Glu-
121 Tyr-His-Tyr-Val-Thr-Ile-Thr-Leu-Asp-Leu-
131 Gln-Gln-Val-Phe-Gln-Ile-Ala-Tyr-Val-Ile-
141 Val-Lys-Ala-Ala-Asn-Ser-Pro-Arg-Pro-Gly-
151 Asn-Tip-Ile-Leu-Glu-Arg-Ser-Leu-Asp-Asp-
161 Val-Glu-Tyr-Lys-Pro-Tip-Gln-Tyr-His-Ala-
171 Val-Thr-Asp-Thr-Glu-Cys-Leu-Thr-Leu-Tyr-
181 Asn-Ile-Tyr-Pro-Arg-Thr-Gly-Pro-Pro-Ser-
191 Tyr-Ala-Lys-Asp-Asp-Glu-Val-Ile-Cys-Thr-
201 Ser-Phe-Tyr-Ser-Lys-Ile-His-Pro-Leu-Glu-
211 Asn-Gly-Glu-Ile-His-Ile-Ser-Leu-Ile-Asn-
221 Gly-Arg-Pro-Ser-Ala-Asp-Asp-Pro-Ser-Pro-

231 Glu-Leu-Leu-Glu-Phe-Thr-Ser-Ala-Arg-Tyr-
241 Ile-Arg-Leu-Arg-Phe-Gln-Arg-Ile-Arg-Thr-
251 Leu-Asn-Ala-Asp-Leu-Met-Met-Phe-Ala-His-
261 Lys-Asp-Pro-Arg-Glu-Ile-Asp-Pro-Ile-Val-
271 Thr-Arg-Arg-Tyr-Tyr-Ser-Val-Lys-Asp-
281 Ile-Ser-Val-Gly-Met-Cys-Ile-Cys-Tyr-
291 Gly-His-Ala-Arg-Ala-Cys-Pro-Leu-Asp-Pro-
301 Ala-Thr-Asn-Lys-Ser-Arg-Cys-Glu-Cys-Glu-
311 His-Asn-Thr-Cys-Gly-Asp-Ser-Cys-Asp-Gln-
321 Cys-Cys-Pro-Gly-Phe-His-Gln-Lys-Pro-Tip-
331 Arg-Ala-Gly-Thr-Phe-Leu-Thr-Lys-Thr-Glu-
341 Cys-Glu-Ala-Cys-Asn-Cys-His-Gly-Lys-Ala-
351 Glu-Glu-Cys-Tyr-Tyr-Asp-Glu-Asn-Val-Ala-
361 Arg-Arg-Asn-Leu-Ser-Leu-Asn-Ile-Arg-Gly-
371 Lys-Tyr-Ile-Gly-Gly-Val-Cys-Ile-Asn-
381 Cys-Thr-Gln-Asn-Thr-Ala-Gly-Ile-Asn-Cys-
391 Glu-Thr-Cys-Thr-Asp-Gly-Phe-Phe-Arg-Pro-
401 Lys-Gly-Val-Ser-Pro-Asn-Tyr-Pro-Arg-Pro-
411 Cys-Gln-Pro-Cys-His-Cys-Asp-Pro-Ile-Gly-
421 Ser-Leu-Asn-Glu-Val-Cys-Val-Lys-Asp-Glu-
431 Lys-His-Ala-Arg-Arg-Gly-Leu-Ala-Pro-Gly-
441 Ser-Cys-His-Cys-Lys-Thr-Gly-Phe-Gly-Tyr-
451 Val-Ser-Cys-Asp-Arg-Cys-Ala-Arg-Gly-Tyr-
461 Thr-Gly-Tyr-Pro-Asp-Cys-Lys-Ala-Cys-Asn-
471 Cys-Ser-Gly-Leu-Gly-Ser-Lys-Asn-Glu-Asp-
481 Pro-Cys-Phe-Gly-Pro-Cys-Ile-Cys-Lys-Glu-
491 Asn-Val-Glu-Gly-Gly-Asp-Cys-Ser-Arg-Cys-
501 Lys-Ser-Gly-Phe-Phe-Asn-Leu-Gln-Glu-Asp-
511 Asn-Tip-Lys-Gly-Cys-Asp-Glu-Cys-Phe-Cys-
521 Ser-Gly-Val-Ser-Asn-Arg-Cys-Gln-Ser-Ser-
531 Tyr-Tip-Thr-Tyr-Gly-Lys-Ile-Gln-Asp-Met-
541 Ser-Gly-Tip-Tyr-Leu-Thr-Asp-Leu-Pro-Gly-
551 Arg-Ile-Arg-Val-Ala-Pro-Gln-Gln-Asp-Asp-
561 Leu-Asp-Ser-Pro-Gln-Gln-Ile-Ser-Ile-Ser-
571 Asn-Ala-Glu-Ala-Arg-Gln-Ala-Leu-Pro-His-
581 Ser-Tyr-Tyr-Tip-Ser-Ala-Pro-Ala-Pro-Tyr-
591 Leu-Gly-Thr-Phe-Thr-Ile-Ser-Tyr-Asp-Leu-
601 Gln-Leu-Thr-Phe-Thr-Ile-Ser-Tyr-Asp-Leu-
611 Glu-Glu-Glu-Glu-Asp-Thr-Glu-Arg-Val-
621 Leu-Leu-Leu-Met-Ile-Ile-Leu-Glu-Gly-Asn-
631 Asp-Leu-Ser-Ile-Ser-Thr-Ala-Gln-Asp-Glu-
641 Val-Tyr-Leu-His-Pro-Ser-Glu-Glu-His-Thr-
651 Asn-Val-Leu-Leu-Leu-Lys-Glu-Glu-Ser-Phe-
661 Thr-Ile-His-Gly-Thr-His-Phe-Pro-Val-Arg-
671 Arg-Lys-Glu-Phe-Met-Thr-Val-Leu-Ala-Asn-
681 Leu-Lys-Arg-Val-Leu-Leu-Gln-Ile-Thr-Tyr-
691 Ser-Phe-Gly-Met-Asp-Ala-Ile-Phe-Arg-Leu-
701 Ser-Ser-Val-Asn-Leu-Glu-Ser-Ala-Val-Ser-
711 Tyr-Pro-Thr-Asp-Gly-Ser-Ile-Ala-Ala-Tyr-
721 Val-Glu-Val-Cys-Gln-Cys-Pro-Pro-Gly-Tyr-
731 Thr-Gly-Ser-Ser-Cys-Glu-Ser-Cys-Tip-Pro-
741 Arg-His-Arg-Arg-Val-Asn-Gly-Thr-Ile-Phe-
751 Gly-Gly-Ile-Cys-Glu-Pro-Cys-Gln-Cys-Phe-
761 Gly-His-Ala-Glu-Ser-Cys-Asp-Asp-Val-Thr-
771 Gly-Glu-Cys-Leu-Asn-Cys-Lys-Asp-His-Thr-

781 Gly-Gly-Pro-Tyr-Cys-Asp-Lys-Cys-Leu-Pro
791 Gly-Phe-Tyr-Gly-Glu-Pro-Thr-Lys-Gly-Thr
801 Ser-Glu-Asp-Cys-Gln-Pro-Cys-Ala-Cys-Pro
811 Leu-Asn-Ile-Pro-Ser-Asn-Asn-Phe-Ser-Pro
821 Thr-Cys-His-Leu-Asp-Arg-Ser-Leu-Gly-Leu
831 Ile-Cys-Asp-Gly-Cys-Pro-Val-Gly-Tyr-Thr
841 Gly-Pro-Arg-Cys-Glu-Arg-Cys-Ala-Glu-Gly
851 Tyr-Phe-Gly-Gln-Pro-Ser-Val-Pro-Gly-Gly
861 Ser-Cys-Gln-Pro-Cys-Gln-Cys-Asn-Asp-Asn
871 Leu-Asp-Phe-Ser-Ile-Pro-Gly-Ser-Cys-Asp
881 Ser-Leu-Ser-Gly-Ser-Cys-Leu-Ile-Cys-Lys
891 Pro-Gly-Thr-Thr-Gly-Arg-Tyr-Cys-Glu-Leu
901 Cys-Ala-Asp-Gly-Tyr-Phe-Gly-Asp-Ala-Val
911 Asp-Ala-Lys-Asn-Cys-Gln-Pro-Cys-Arg-Cys
921 Asn-Ala-Gly-Gly-Ser-Phe-Ser-Glu-Val-Cys
931 His-Ser-Gln-Thr-Gly-Gln-Cys-Glu-Cys-Arg
941 Ala-Asn-Val-Gln-Gly-Gln-Arg-Cys-Asp-Lys
951 Cys-Lys-Ala-Gly-Thr-Phe-Gly-Leu-Gln-Ser
961 Ala-Arg-Gly-Cys-Val-Pro-Cys-Asn-Cys-Asn
971 Ser-Phe-Gly-Ser-Lys-Ser-Phe-Asp-Cys-Glu
981 Ser-Ser-Gly-Gln-Cys-Trp-Cys-Gln-Pro-Gly
991 Val-Thr-Gly-Lys-Lys-Cys-Asp-Arg-Cys-Ala
1001 His-Gly-Tyr-Phe-Asn-Phe-Gln-Glu-Gly-Gly
1011 Cys-Thr-Ala-Cys-Glu-Cys-Ser-His-Leu-Gly
1021 Asn-Asn-Cys-Asp-Pro-Lys-Thr-Gly-Arg-Cys
1031 Ile-Cys-Pro-Pro-Asn-Thr-Ile-Gly-Glu-Lys
1041 Cys-Ser-Lys-Cys-Ala-Pro-Asn-Thr-Trp-Gly
1051 His-Ser-Ile-Thr-Thr-Gly-Cys-Lys-Ala-Cys
1061 Asn-Cys-Ser-Thr-Val-Gly-Ser-Leu-Asp-Phe
1071 Gln-Cys-Asn-Val-Asn-Thr-Gly-Gln-Cys-Asn
1081 Cys-His-Pro-Lys-Phe-Ser-Gly-Ala-Lys-Cys
1091 Thr-Glu-Cys-Ser-Arg-Gly-His-Trp-Asn-Tyr
1101 Pro-Arg-Cys-Asn-Leu-Cys-Asp-Cys-Phe-Leu
1111 Pro-Gly-Thr-Asp-Ala-Thr-Thr-Cys-Asp-Ser
1121 Glu-Thr-Lys-Lys-Cys-Ser-Cys-Ser-Asp-Gln
1131 Thr-Gly-Gln-Cys-Thr-Cys-Lys-Val-Asn-Val
1141 Glu-Gly-Ile-His-Cys-Asp-Arg-Cys-Arg-Pro
1151 Gly-Lys-Phe-Gly-Leu-Asp-Ala-Lys-Asn-Pro
1161 Leu-Gly-Cys-Ser-Ser-Cys-Tyr-Cys-Phe-Gly
1171 Thr-Thr-Thr-Gln-Cys-Ser-Glu-Ala-Lys-Gly
1181 Leu-Ile-Arg-Thr-Trp-Val-Thr-Leu-Lys-Ala
1191 Glu-Gln-Thr-Ile-Leu-Pro-Leu-Val-Asp-Glu
1201 Ala-Phe-Gln-His-Thr-Thr-Thr-Lys-Gly-Ile
1211 Val-Phe-Gln-His-Pro-Glu-Ile-Val-Ala-His
1221 Met-Asp-Leu-Met-Arg-Glu-Asp-Leu-His-Leu
1231 Glu-Pro-Phe-Tyr-Trp-Lys-Leu-Pro-Glu-Gln
1241 Phe-Glu-Gly-Lys-Lys-Leu-Met-Ala-Tyr-Gly
1251 Gly-Lys-Leu-Lys-Tyr-Ala-Ile-Tyr-Phe-Glu
1261 Ala-Arg-Glu-Glu-Thr-Gly-Phe-Ser-Thr-Tyr
1271 Asn-Pro-Gln-Val-Ile-Ile-Arg-Gly-Gly-Thr
1281 Pro-Thr-His-Ala-Arg-Ile-Ile-Val-Arg-His
1291 Met-Ala-Ala-Pro-Leu-Ile-Gly-Gln-Leu-Thr
1301 Arg-His-Glu-Ile-Glu-Met-Thr-Glu-Lys-Glu
1311 Trp-Lys-Tyr-Tyr-Gly-Asp-Glu-Pro-Arg-Val
1321 His-Arg-Thr-Val-Thr-Arg-Leu-Asp-Phe-Leu
1331 Asp-Ile-Leu-Tyr-Asp-Ile-His-Tyr-Ile-Leu
1341 Ile-Lys-Ala-Thr-Tyr-Gly-Asn-Phe-Met-Arg

1351 Gln-Ser-Arg-Ile-Ser-Glu-Ile-Ser-Met-Glu
1361 Val-Ala-Glu-Gln-Gly-Arg-Gly-Thr-Met
1371 Thr-Pro-Pro-Ala-Asp-Leu-Ile-Glu-Lys-Cys
1381 Asp-Cys-Pro-Leu-Gly-Tyr-Ser-Gly-Leu-Ser
1391 Cys-Glu-Ala-Cys-Leu-Pro-Gly-Phe-Tyr-Arg
1401 Leu-Arg-Ser-Gln-Pro-Gly-Arg-Thr-Pro
1411 Gly-Pro-Thr-Leu-Gly-Thr-Cys-Val-Pro-Cys
1421 Gln-Cys-Asn-Gly-His-Ser-Ser-Leu-Cys-Asp
1431 Pro-Glu-Thr-Ser-Ile-Cys-Gln-Asn-Cys-Gln
1441 His-His-Thr-Ala-Gly-Asp-Phe-Cys-Glu-Arg
1451 Cys-Ala-Leu-Gly-Tyr-Tyr-Gly-Ile-Val-Lys
1461 Gly-Leu-Pro-Asn-Asp-Cys-Gln-Gln-Cys-Ala
1471 Cys-Pro-Leu-Ile-Ser-Ser-Ser-Asn-Phe
1481 Ser-Pro-Ser-Cys-Val-Ala-Glu-Gly-Leu-Asp
1491 Asp-Tyr-Arg-Cys-Thr-Ala-Cys-Pro-Arg-Gly
1501 Tyr-Glu-Gly-Gln-Tyr-Cys-Glu-Arg-Cys-Ala
1511 Pro-Gly-Tyr-Thr-Gly-Ser-Pro-Gly-Asn-Pro
1521 Gly-Gly-Ser-Cys-Gln-Glu-Cys-Glu-Cys-Asp
1531 Pro-Tyr-Gly-Ser-Leu-Pro-Val-Pro-Cys-Asp
1541 Pro-Val-Thr-Gly-Phe-Cys-Thr-Cys-Arg-Pro
1551 Gly-Ala-Thr-Gly-Arg-Lys-Cys-Asp-Gly-Cys
1561 Lys-His-Trp-His-Ala-Arg-Glu-Gly-Trp-Glu
1571 Cys-Val-Phe-Cys-Gly-Asp-Glu-Cys-Thr-Glu
1581 Leu-Leu-Leu-Gly-Asp-Leu-Ala-Arg-Leu-Glu
1591 Gln-Met-Val-Met-Ser-Ile-Asn-Leu-Thr-Gly
1601 Pro-Leu-Pro-Ala-Pro-Tyr-Lys-Met-Leu-Tyr
1611 Gly-Leu-Glu-Asn-Met-Thr-Gln-Glu-Leu-Lys
1621 His-Leu-Leu-Ser-Pro-Gln-Arg-Ala-Pro-Glu
1631 Arg-Leu-Ile-Gln-Leu-Ala-Glu-Gly-Asn-Leu
1641 Asn-Thr-Leu-Val-Thr-Glu-Met-Asn-Glu-Leu
1651 Leu-Thr-Arg-Ala-Thr-Lys-Val-Thr-Ala-Asp
1661 Gly-Glu-Gln-Thr-Gly-Gln-Asp-Ala-Glu-Arg
1671 Thr-Asn-Thr-Arg-Ala-Lys-Ser-Leu-Gly-Glu
1681 Phe-Ile-Lys-Glu-Leu-Ala-Arg-Asp-Ala-Glu
1691 Ala-Val-Asn-Glu-Lys-Ala-Ile-Lys-Leu-Asn
1701 Glu-Thr-Leu-Gly-Thr-Arg-Asp-Glu-Ala-Phe
1711 Ile-Arg-Asn-Leu-Glu-Gly-Leu-Glu-Lys-Glu
1721 Ile-Asp-Gln-Met-Ile-Lys-Glu-Leu-Arg-Arg
1731 Lys-Asn-Leu-Glu-Thr-Gln-Lys-Glu-Ile-Ala
1741 Glu-Asp-Glu-Leu-Val-Ala-Ala-Glu-Ala-Leu
1751 Leu-Lys-Lys-Val-Lys-Lys-Leu-Phe-Gly-Glu
1761 Ser-Arg-Gly-Glu-Asn-Glu-Glu-Met-Lys
1771 Asp-Leu-Arg-Glu-Lys-Leu-Ala-Asp-Tyr-Lys
1781 Asn-Lys-Val-Asp-Asp-Ala-Trp-Asp-Leu-Leu
1791 Arg-Glu-Ala-Thr-Asp-Lys-Ile-Arg-Glu-Ala
1801 Asn-Arg-Leu-Phe-Ala-Val-Asn-Gln-Lys-Asn
1811 Met-Thr-Ala-Leu-Glu-Lys-Lys-Glu-Ala
1821 Val-Glu-Ser-Gly-Lys-Arg-Gln-Ile-Glu-Asp
1831 Thr-Leu-Lys-Glu-Gly-Asn-Asp-Ile-Leu-Asp
1841 Glu-Ala-Asn-Arg-Leu-Ala-Asp-Glu-Ile-Asn
1851 Ser-Ile-Ile-Tyr-Val-Glu-Asp-Ile-Gln
1861 Thr-Lys-Leu-Pro-Pro-Met-Ser-Glu-Glu-Leu
1871 Asn-Asp-Lys-Ile-Asp-Asp-Leu-Ser-Gln-Glu
1881 Ile-Lys-Asp-Arg-Lys-Leu-Ala-Glu-Lys-Val
1891 Ser-Gln-Ala-Glu-Ser-His-Ala-Ala-Gln-Leu
1901 Asn-Asp-Ser-Ser-Ala-Val-Leu-Asp-Gly-Ile
1911 Leu-Asp-Glu-Ala-Lys-Asn-Ile-Ser-Phe-Asn

1921 Ala-Thr-Ala-Ala-Phe-Lys-Ala-Tyr-Ser-Asn-
 1931 Ile-Lys-Asp-Tyr-Ile-Asp-Glu-Ala-Glu-Lys-
 1941 Val-Ala-Lys-Glu-Ala-Lys-Asp-Leu-Ala-His-
 1951 Glu-Ala-Thr-Lys-Leu-Ala-Thr-Gly-Pro-Arg-
 1961 Gly-Leu-Leu-Lys-Glu-Asp-Ala-Lys-Gly-Cys-
 1971 Leu-Gln-Lys-Ser-Phe-Arg-Ile-Leu-Asn-Glu-
 1981 Ala-Lys-Lys-Leu-Ala-Asn-Asp-Val-Lys-Glu-
 1991 Asn-Glu-Asp-His-Leu-Asn-Gly-Leu-Lys-Thr-
 2001 Arg-Ile-Glu-Asn-Ala-Asp-Ala-Arg-Asn-Gly-
 2011 Asp-Leu-Leu-Arg-Thr-Leu-Asn-Asp-Thr-Leu-
 2021 Gly-Lys-Leu-Ser-Ala-Ile-Pro-Asn-Asp-Thr-
 2031 Ala-Ala-Lys-Leu-Gln-Ala-Val-Lys-Asp-Lys-
 2041 Ala-Arg-Gln-Ala-Asn-Asp-Thr-Ala-Lys-Asp-
 2051 Val-Leu-Ala-Gln-Ile-Thr-Glu-Leu-His-Gln-
 2061 Asn-Leu-Asp-Gly-Leu-Lys-Lys-Asn-Tyr-Asn-
 2071 Lys-Leu-Ala-Asp-Ser-Val-Ala-Lys-Thr-Asn-
 2081 Ala-Val-Val-Lys-Asp-Pro-Ser-Lys-Asn-Lys-
 2091 Ile-Ile-Ala-Asp-Ala-Asp-Ala-Thr-Val-Lys-
 2101 Asn-Leu-Glu-Gln-Glu-Ala-Asp-Arg-Leu-Ile-
 2111 Asp-Lys-Leu-Lys-Pro-Ile-Lys-Glu-Leu-Glu-
 2121 Asp-Asn-Leu-Lys-Lys-Asn-Ile-Ser-Glu-Ile-
 2131 Lys-Glu-Leu-Ile-Asn-Gln-Ala-Arg-Lys-Gln-
 2141 Ala-Asn-Ser-Ile-Lys-Val-Ser-Val-Ser-Ser-
 2151 Gly-Gly-Asp-Cys-Ile-Arg-Thr-Tyr-Lys-Pro-
 2161 Glu-Ile-Lys-Lys-Gly-Ser-Tyr-Asn-Asn-Ile-
 2171 Val-Val-Asn-Val-Lys-Thr-Ala-Val-Ala-Asp-
 2181 Asn-Leu-Leu-Phe-Tyr-Leu-Gly-Ser-Ala-Lys-
 2191 Phe-Ile-Asp-Phe-Leu-Ala-Ile-Glu-Met-Arg-
 2201 Lys-Gly-Lys-Val-Ser-Phe-Leu-Tyr-Asp-Val-
 2211 Gly-Ser-Gly-Val-Gly-Arg-Val-Glu-Tyr-Pro-
 2221 Asp-Leu-Thr-Ile-Asp-Asp-Ser-Tyr-Trp-Tyr-
 2231 Arg-Ile-Val-Ala-Ser-Arg-Thr-Gly-Arg-Asn-
 2241 Gly-Thr-Ile-Ser-Val-Arg-Ala-Leu-Asp-Gly-
 2251 Pro-Lys-Ala-Ser-Ile-Val-Pro-Ser-Thr-His-
 2261 His-Ser-Thr-Ser-Pro-Pro-Gly-Tyr-Thr-Ile-
 2271 Leu-Asp-Val-Asp-Ala-Asn-Ala-Met-Leu-Phe-
 2281 Val-Gly-Gly-Leu-Thr-Gly-Lys-Leu-Lys-Lys-
 2291 Ala-Asp-Ala-Val-Arg-Val-Ile-Thr-Phe-Thr-
 2301 Lys-Cys-Met-Gly-Glu-Thr-Tyr-Phe-Asp-Asn-
 2311 Lys-Pro-Ile-Gly-Leu-Tyr-Asn-Phe-Arg-Glu-
 2321 Lys-Glu-Gly-Asp-Cys-Lys-Gly-Cys-Thr-Val-
 2331 Ser-Pro-Gln-Val-Glu-Asp-Ser-Glu-Gly-Thr-
 2341 Ile-Gln-Phe-Asp-Gly-Glu-Tyr-Ala-Leu-
 2351 Val-Ser-Arg-Pro-Ile-Arg-Trp-Tyr-Pro-Asn-
 2361 Ile-Ser-Thr-Val-Met-Phe-Lys-Phe-Arg-Thr-
 2371 Phe-Ser-Ser-Ser-Ala-Leu-Leu-Met-Tyr-Leu-
 2381 Ala-Thr-Arg-Asp-Leu-Arg-Asp-Phe-Met-Ser-
 2391 Val-Glu-Leu-Thr-Asp-Gly-His-Ile-Lys-Val-
 2401 Ser-Tyr-Asp-Leu-Lys-Ser-Gly-Met-Ala-Ser-
 2411 Val-Val-Ser-Asn-Gln-Asn-His-Asn-Asp-Gly-
 2421 Lys-Trp-Lys-Ser-Phe-Thr-Leu-Ser-Arg-Ile-
 2431 Gln-Lys-Gln-Ala-Asn-Ile-Ser-Ile-Val-Asp-
 2441 Ile-Asp-Thr-Asn-Gln-Glu-Asn-Ile-Ala-
 2451 Thr-Ser-Ser-Ser-Gly-Asn-Asn-Phe-Gly-Leu-
 2461 Asp-Leu-Lys-Ala-Asp-Asp-Lys-Ile-Tyr-Phe-

HITS AT: 527-534

L7 ANSWER 32 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AA148244 Protein DGENE
 TI New nucleic acid expressed at high level in prostatic tumor tissue and encoded polypeptides, useful for treating cancer and screening for therapeutic agents -
 IN Specht T; Hinemann B; Schmitt A; Pilschky C; Dahl E; Rosenthal A
 PA (MENA-N) METAGEN GES GENOMFORSCHUNG MEH. 166p***
 PI *****DE 19811193 AI 19900916
 AI DE 1998-1011193 19980310
 PRAI DE 1998-19811193 19980310
 DT Patent
 LA German
 OS 1999-519628 [44]
 CR N-PSDB: AA233446
 DESC Human prostate cancer-associated protein 30.
 AN AA148244 Protein DGENE
 AA 29 A; 5 R; 8 N; 7 D; 0 B; 15 C; 10 Q; 9 E; 0 Z; 21 G; 11 H; 14 I;
 SOL 40 L; 6 K; 5 M; 12 F; 27 P; 28 S; 17 T; 7 W; 8 Y; 25 V; 0 Others
 SEQ3
 1 Trp-Leu-Cys-Gln-Lys-His-Leu-Lys-Val-Ala-
 11 Gly-Pro-Pro-Pro-Leu-Pro-His-Leu-Pro-Leu-
 21 Val-Leu-Pro-Pro-Thr-Pro-Pro-Pro-Tyr-
 31 Leu-Pro-Ser-Leu-Met-Thr-Ala-Trp-Ile-Leu-
 41 Leu-Pro-Val-Ser-Leu-Ser-Ala-Phe-Ser-Ile-
 51 Thr-Gly-Ile-Tyr-Thr-Val-Gln-Pro-Lys-Ala-
 61 Val-Met-Asn-His-His-Val-Cys-Pro-Val-Glu-
 71 Asn-Trp-Ser-Tyr-Asn-Glu-Ser-Cys-Pro-Pro-
 81 Asp-Pro-Ala-Glu-Gln-Gly-Gly-Pro-Lys-Thr-
 91 Cys-Cys-Thr-Leu-Asp-Asp-Val-Pro-Leu-Ile-
 101 Ser-Lys-Cys-Gly-Ser-Tyr-Pro-Pro-Glu-Ser-
 111 Cys-Leu-Phe-Ser-Leu-Ile-Gly-Asn-Met-Gly-
 121 Ala-Phe-Met-Val-Ala-Leu-Ile-Cys-Leu-Leu-
 131 Arg-Tyr-Gly-Gln-Leu-Leu-Glu-Gln-Ser-Arg-
 141 His-Ser-Trp-Val-Asn-Thr-Thr-Ala-Leu-Ile-
 151 Thr-Gly-Cys-Thr-Asn-Ala-Asp-His-Ala-Arg-
 161 Val-Gly-Asn-Phe-Gln-Val-Ala-Gly-Leu-Leu-
 171 Ser-Leu-His-Tyr-Val-Gly-Ala-Gly-Val-Ala-
 181 Phe-Pro-Ala-Gly-Leu-Leu-Phe-Val-Cys-Leu-
 191 His-Cys-Ala-Leu-Ser-Tyr-Gln-Gly-Ala-Thr-
 201 Ala-Pro-Leu-Asp-Leu-Ala-Val-Ala-Tyr-Leu-
 211 Arg-Ser-Val-Leu-Ala-Val-Ile-Ala-Phe-Ile-
 221 Thr-Leu-Val-Leu-Ser-Gly-Val-Phe-Phe-Val-
 231 His-Glu-Ser-Ser-Gln-Leu-Gln-His-Gly-Ala-
 241 Ala-Leu-Cys-Gln-Trp-Val-Cys-Val-Ile-Asp-
 251 Ile-Leu-Ile-Phe-Tyr-Gly-Thr-Phe-Ser-Tyr-
 261 Glu-Phe-Gly-Ala-Val-Ser-Ser-Asp-Thr-Leu-
 271 Val-Ala-Ala-Leu-Gln-Pro-Thr-Pro-Gly-Arg-
 281 Ala-Cys-Lys-Ser-Ser-Gly-Ser-Ser-Ser-Thr-
 291 Ser-Thr-His-Leu-Asn-Cys-Ala-Pro-Glu-Ser-
 301 Ile-Ala-Met-Ile

HITS AT: 67-74

L7 ANSWER 33 OF 36 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AA171730 Protein DGENE

TI New mesothelial fragments, corresp. DNA and antibodies - for diagnosing
 IN tumour malignancy, promoting or inhibiting neurite growth and promoting
 cell attachment.
 PA Engvall E; Leivo I
 PI (L0201-N) LA JOLLA CANCER RES FOUND. 65P***
 WO 1994-0510730 A2 19950330
 AI 19940921
 PRAI US 1993-125077 19930922
 DT Patent
 LA English
 OS 1985-139597 (18)
 CR N-PSDB: AA086480 and AA117419
 DESC Mesothelial protein, DGEIN
 AN AA071730 Protein
 AA 205A; 159R; 162N; 183D; 0 B; 162C; 119Q; 202E; 0 Z; 261G; 71 H; 166I;
 246L; 184K; 46 M; 103F; 173P; 194S; 193T; 29 W; 96 Y; 156V; 0 Others
 SQL 3110
 SEQ3

1 Met-Pro-Gly-Ala-Ala-Gly-Val-Leu-Leu-Leu-
 11 Leu-Leu-Leu-Ser-Gly-Gly-Leu-Gly-Gly-Val-
 21 Gln-Ala-Gln-Arg-Pro-Gln-Gln-Gln-Arg-Gln-
 31 Ser-Gln-Ala-His-Gln-Gln-Arg-Gly-Leu-Phe-
 41 Pro-Ala-Val-Leu-Asn-Leu-Ala-Ser-Asn-Ala-
 51 Leu-Ile-Thr-Thr-Asn-Ala-Thr-Cys-Gly-Glu-
 61 Lys-Gly-Pro-Glu-Met-Tyr-Cys-Lys-Leu-Val-
 71 Glu-His-Val-Pro-Gly-Gln-Pro-Val-Arg-Asn-
 81 Pro-Gln-Cys-Arg-Ile-Cys-Asn-Gln-Asn-Ser-
 91 Ser-Asn-Pro-Asn-Gln-Arg-His-Pro-Ile-Thr-
 101 Asn-Ala-Ile-Asp-Gly-Lys-Asn-Thr-Tyr-Tyr-
 111 Gln-Ser-Pro-Ser-Ile-Lys-Asn-Gly-Ile-Glu-
 121 Tyr-His-Tyr-Val-Thr-Ile-Thr-Leu-Asp-Leu-
 131 Gln-Gln-Val-Phe-Gln-Ile-Ala-Tyr-Val-Ile-
 141 Val-Lys-Ala-Ala-Asn-Ser-Pro-Arg-Pro-Gly-
 151 Asn-Tyr-Ile-Leu-Glu-Arg-Ser-Leu-Asp-Asp-
 161 Val-Glu-Tyr-Lys-Pro-Tyr-Tyr-His-Ala-
 171 Val-Thr-Asp-Thr-Glu-Cys-Leu-Thr-Leu-Tyr-
 181 Asn-Ile-Tyr-Pro-Arg-Thr-Gly-Pro-Pro-Ser-
 191 Tyr-Ala-Lys-Asp-Asp-Glu-Val-Ile-Cys-Thr-
 201 Ser-Phe-Tyr-Ser-Lys-Ile-His-Pro-Leu-Glu-
 211 Asn-Gly-Glu-Ile-His-Ile-Ser-Leu-Ile-Asn-
 221 Gly-Arg-Pro-Ser-Ala-Asp-Asp-Pro-Ser-Pro-
 231 Glu-Leu-Leu-Glu-Phe-Thr-Ser-Ala-Arg-Tyr-
 241 Ile-Arg-Leu-Arg-Phe-Gln-Arg-Ile-Arg-Thr-
 251 Leu-Asn-Ala-Asp-Leu-Met-Met-Phe-Ala-His-
 261 Lys-Asp-Pro-Arg-Glu-Ile-Asp-Pro-Ile-Val-
 271 Thr-Arg-Arg-Tyr-Tyr-Ser-Val-Lys-Asp-
 281 Ile-Ser-Val-Gly-Gly-Met-Cys-Ile-Cys-Tyr-
 291 Gly-His-Ala-Arg-Ala-Cys-Pro-Leu-Asp-Pro-
 301 Ala-Thr-Asn-Lys-Ser-Arg-Cys-Glu-Cys-Glu-
 311 His-Asn-Thr-Cys-Gly-Asp-Ser-Cys-Asp-Gln-
 321 Cys-Cys-Pro-Gly-Phe-His-Gln-Lys-Pro-Tyr-
 331 Arg-Ala-Gly-Thr-Phe-Leu-Thr-Lys-Thr-Glu-
 341 Cys-Glu-Ala-Cys-Asn-Cys-His-Gly-Lys-Ala-
 351 Glu-Glu-Cys-Tyr-Tyr-Asp-Glu-Asn-Val-Ala-
 361 Arg-Arg-Asn-Leu-Ser-Leu-Asn-Ile-Arg-Gly-
 371 Lys-Tyr-Ile-Gly-Gly-Val-Cys-Ile-Asn-
 381 Cys-Thr-Gln-Asn-Thr-Ala-Gly-Ile-Asn-Cys-

391 Glu-Thr-Cys-Thr-Asp-Gly-Phe-Phe-Arg-Pro-
 401 Lys-Gly-Val-Ser-Pro-Asn-Tyr-Pro-Arg-Pro-
 411 Cys-Gln-Pro-Cys-His-Cys-Asp-Pro-Ile-Gly-
 421 Ser-Leu-Asn-Glu-Val-Cys-Val-Lys-Asp-Glu-
 431 Lys-His-Ala-Arg-Arg-Gly-Leu-Ala-Pro-Gly-
 441 Ser-Cys-His-Cys-Lys-Thr-Gly-Phe-Gly-Gly-
 451 Val-Ser-Cys-Asp-Arg-Cys-Ala-Arg-Gly-Tyr-
 461 Thr-Gly-Tyr-Pro-Asp-Cys-Lys-Ala-Cys-Asn-
 471 Cys-Ser-Gly-Leu-Gly-Ser-Lys-Asn-Glu-Asp-
 481 Pro-Cys-Phe-Gly-Pro-Cys-Ile-Cys-Lys-Glu-
 491 Asn-Val-Glu-Gly-Gly-Asp-Cys-Ser-Arg-Cys-
 501 Lys-Ser-Gly-Phe-Phe-Asn-Leu-Gln-Arg-Cys-
 511 Asn-Tyr-Lys-Gly-Cys-Asp-Glu-Cys-Phe-Cys-
 521 Ser-Gly-Val-Ser-Asn-Arg-Cys-Gln-Ser-Ser-
 531 Tyr-Tyr-Thr-Tyr-Gly-Lys-Ile-Gln-Asp-Met-
 541 Ser-Gly-Tyr-Tyr-Leu-Thr-Asp-Leu-Pro-Gly-
 551 Arg-Ile-Arg-Val-Ala-Pro-Gln-Glu-Asp-Asp-
 561 Leu-Asp-Ser-Pro-Gln-Gln-Ile-Ser-Ile-Ser-
 571 Asn-Ala-Glu-Ala-Arg-Gln-Ala-Leu-Pro-His-
 581 Ser-Tyr-Tyr-Tyr-Ser-Ala-Pro-Ala-Pro-Tyr-
 591 Leu-Gly-Asn-Lys-Leu-Pro-Ala-Val-Gly-Gly-
 601 Glu-Leu-Thr-Phe-Thr-Ile-Ser-Tyr-Asp-Leu-
 611 Glu-Glu-Glu-Glu-Glu-Asp-Thr-Glu-Arg-Val-
 621 Leu-Gln-Leu-Met-Ile-Ile-Leu-Glu-Gly-Asn-
 631 Asp-Leu-Ser-Ile-Ser-Thr-Ala-Gln-Asp-Glu-
 641 Val-Tyr-Leu-His-Pro-Ser-Glu-Glu-His-Thr-
 651 Asn-Val-Leu-Leu-Lys-Glu-Glu-Ser-Phe-
 661 Thr-Ile-His-Gly-Thr-His-Phe-Pro-Val-Arg-
 671 Arg-Lys-Glu-Phe-Met-Thr-Val-Leu-Ala-Asn-
 681 Leu-Lys-Arg-Val-Leu-Leu-Gln-Ile-Thr-Tyr-
 691 Ser-Phe-Gly-Met-Asp-Ala-Ile-Phe-Arg-Leu-
 701 Ser-Ser-Val-Asn-Leu-Glu-Ser-Ala-Val-Ser-
 711 Tyr-Pro-Thr-Asp-Gly-Ser-Ile-Ala-Ala-Ala-
 721 Val-Glu-Val-Cys-Gln-Cys-Pro-Pro-Gly-Tyr-
 731 Thr-Gly-Ser-Ser-Cys-Glu-Ser-Cys-Tyr-Pro-
 741 Arg-His-Arg-Arg-Val-Asn-Gly-Thr-Ile-Phe-
 751 Gly-Gly-Ile-Cys-Glu-Pro-Cys-Gln-Cys-Phe-
 761 Gly-His-Ala-Glu-Ser-Cys-Asp-Asp-Val-Thr-
 771 Gly-Glu-Cys-Leu-Asn-Cys-Lys-Asp-His-Thr-
 781 Gly-Gly-Pro-Tyr-Cys-Asp-Lys-Cys-Leu-Pro-
 791 Gly-Phe-Tyr-Gly-Glu-Pro-Thr-Lys-Gly-Thr-
 801 Ser-Glu-Asp-Cys-Gln-Pro-Cys-Ala-Cys-Pro-
 811 Leu-Asn-Ile-Pro-Ser-Asn-Asn-Phe-Ser-Pro-
 821 Thr-Cys-His-Leu-Asp-Arg-Ser-Leu-Gly-Leu-
 831 Ile-Cys-Asp-Gly-Cys-Pro-Val-Gly-Tyr-Thr-
 841 Gly-Pro-Arg-Cys-Glu-Arg-Cys-Ala-Glu-Gly-
 851 Tyr-Phe-Gly-Gln-Pro-Ser-Val-Pro-Gly-Gly-
 861 Ser-Cys-Gln-Pro-Cys-Gln-Cys-Asn-Asp-Asn-
 871 Leu-Asp-Phe-Ser-Ile-Pro-Gly-Ser-Cys-Asp-
 881 Ser-Leu-Ser-Gly-Ser-Cys-Leu-Ile-Cys-Lys-
 891 Pro-Gly-Thr-Thr-Gly-Arg-Tyr-Cys-Glu-Leu-
 901 Cys-Ala-Asp-Gly-Tyr-Phe-Gly-Asp-Ala-Val-
 911 Asp-Ala-Lys-Asn-Cys-Gln-Pro-Cys-Arg-Cys-
 921 Asn-Ala-Gly-Gly-Ser-Phe-Ser-Glu-Val-Cys-
 931 His-Ser-Gln-Thr-Gly-Gln-Cys-Glu-Cys-Arg-

941 Ala-Asn-Val-Gln-Gly-Gln-Arg-Cys-Asp-Lys-
951 Cys-Lys-Ala-Gly-Thr-Phe-Gly-Leu-Gln-Ser-
961 Ala-Arg-Gly-Cys-Val-Pro-Cys-Asn-Cys-Asn-
971 Ser-Phe-Gly-Ser-Lys-Ser-Phe-Asp-Cys-Glu-
981 Glu-Ser-Gly-Gln-Cys-Tyr-Cys-Gln-Pro-Gly-
991 Val-Thr-Gly-Lys-Lys-Cys-Asp-Arg-Cys-Ala-
1001 His-Gly-Tyr-Phe-Asn-Phe-Gln-Glu-Gly-Gly-
1011 Cys-Thr-Ala-Cys-Glu-Cys-Ser-His-Leu-Gly-
1021 Asn-Asn-Cys-Asp-Pro-Lys-Thr-Gly-Arg-Cys-
1031 Ile-Cys-Pro-Pro-Asn-Thr-Ile-Gly-Glu-Lys-
1041 Cys-Ser-Lys-Cys-Ala-Pro-Asn-Thr-Tyr-Gly-
1051 His-Ser-Ile-Thr-Thr-Gly-Cys-Lys-Ala-Cys-
1061 Asn-Cys-Ser-Thr-Val-Gly-Ser-Leu-Asp-Phe-
1071 Gln-Cys-Asn-Val-Asn-Thr-Gly-Gln-Cys-Asn-
1081 Cys-His-Pro-Lys-Phe-Ser-Gly-Ala-Lys-Cys-
1091 Thr-Glu-Cys-Ser-Arg-Gly-His-Tyr-Asn-Tyr-
1101 Pro-Arg-Cys-Asn-Leu-Cys-Asp-Cys-Phe-Leu-
1111 Pro-Gly-Thr-Asp-Ala-Thr-Thr-Cys-Asp-Ser-
1121 Glu-Thr-Lys-Lys-Cys-Ser-Cys-Ser-Asp-Gln-
1131 Thr-Gly-Gln-Cys-Thr-Cys-Lys-Val-Asn-Val-
1141 Glu-Gly-Ile-His-Cys-Asp-Arg-Cys-Arg-Pro-
1151 Gly-Lys-Phe-Gly-Leu-Asp-Ala-Lys-Asn-Pro-
1161 Leu-Gly-Cys-Ser-Ser-Cys-Tyr-Cys-Phe-Gly-
1171 Thr-Thr-Thr-Gln-Cys-Ser-Glu-Ala-Lys-Gly-
1181 Leu-Ile-Arg-Thr-Tyr-Val-Thr-Leu-Lys-Ala-
1191 Glu-Gln-Thr-Ile-Leu-Pro-Leu-Val-Asp-Glu-
1201 Ala-Leu-Gln-His-Thr-Thr-Thr-Lys-Gly-Ile-
1211 Val-Phe-Gln-His-Pro-Glu-Ile-Val-Ala-His-
1221 Met-Asp-Leu-Met-Arg-Glu-Asp-Leu-His-Leu-
1231 Glu-Pro-Phe-Tyr-Tyr-Lys-Leu-Pro-Glu-Gln-
1241 Phe-Glu-Gly-Lys-Lys-Leu-Met-Ala-Tyr-Gly-
1251 Gly-Lys-Leu-Lys-Tyr-Ala-Ile-Tyr-Phe-Glu-
1261 Ala-Arg-Glu-Glu-Thr-Gly-Phe-Ser-Thr-Tyr-
1271 Asn-Pro-Gln-Val-Ile-Ile-Arg-Gly-Gly-Thr-
1281 Pro-Thr-His-Ala-Arg-Ile-Ile-Val-Arg-His-
1291 Met-Ala-Ala-Pro-Leu-Ile-Gly-Gln-Leu-Thr-
1301 Arg-His-Glu-Ile-Glu-Met-Thr-Glu-Lys-Glu-
1311 Trp-Lys-Tyr-Tyr-Gly-Asp-Pro-Arg-Val-
1321 His-Arg-Thr-Val-Thr-Arg-Glu-Asp-Phe-Leu-
1331 Asp-Ile-Leu-Tyr-Asp-Ile-His-Tyr-Ile-Leu-
1341 Ile-Lys-Ala-Thr-Tyr-Gly-Asn-Phe-Met-Arg-
1351 Gln-Ser-Arg-Ile-Ser-Glu-Ile-Ser-Met-Glu-
1361 Val-Ala-Glu-Gln-Gly-Arg-Gly-Thr-Met-
1371 Thr-Pro-Pro-Ala-Asp-Leu-Ile-Glu-Lys-Cys-
1381 Asp-Cys-Pro-Leu-Gly-Tyr-Ser-Gly-Leu-Ser-
1391 Cys-Glu-Ala-Cys-Leu-Pro-Gly-Phe-Tyr-Arg-
1401 Leu-Arg-Ser-Gln-Pro-Gly-Gly-Arg-Thr-Pro-
1411 Gly-Pro-Thr-Leu-Gly-Thr-Cys-Val-Pro-Cys-
1421 Gln-Cys-Asn-Gly-His-Ser-Ser-Leu-Cys-Asp-
1431 Pro-Glu-Thr-Ser-Ile-Cys-Gln-Asn-Cys-Gln-
1441 His-His-Thr-Ala-Gly-Asp-Phe-Cys-Glu-Arg-
1451 Cys-Ala-Leu-Gly-Tyr-Tyr-Gly-Ile-Val-Lys-
1461 Gly-Leu-Pro-Asn-Asp-Cys-Gln-Glu-Cys-Ala-
1471 Cys-Pro-Leu-Ile-Ser-Ser-Asn-Asn-Phe-
1481 Ser-Pro-Ser-Cys-Val-Ala-Glu-Gly-Leu-Asp-
1491 Asp-Tyr-Arg-Cys-Thr-Ala-Cys-Pro-Arg-Gly-
1501 Tyr-Glu-Gly-Gln-Tyr-Cys-Glu-Arg-Cys-Ala-

1511 Pro-Gly-Tyr-Thr-Gly-Ser-Pro-Gly-Asn-Pro-
1521 Gly-Gly-Ser-Cys-Gln-Glu-Cys-Glu-Cys-Asp-
1531 Pro-Tyr-Gly-Ser-Leu-Pro-Val-Pro-Cys-Asp-
1541 Pro-Val-Thr-Gly-Phe-Cys-Thr-Cys-Arg-Pro-
1551 Gly-Ala-Thr-Arg-Lys-Cys-Asp-Gly-Cys-
1561 Lys-His-Tyr-His-Ala-Arg-Glu-Gly-Tyr-Glu-
1571 Cys-Val-Phe-Cys-Gly-Asp-Glu-Cys-Thr-Gly-
1581 Leu-Leu-Leu-Gly-Asp-Leu-Ala-Arg-Leu-Gly-
1591 Gln-Met-Val-Met-Ser-Ile-Asn-Leu-Thr-Gly-
1601 Pro-Leu-Pro-Ala-Pro-Tyr-Lys-Met-Leu-Tyr-
1611 Gly-Leu-Glu-Asn-Met-Thr-Gln-Glu-Leu-Lys-
1621 His-Leu-Leu-Ser-Pro-Gln-Arg-Ala-Pro-Glu-
1631 Arg-Leu-Ile-Gln-Leu-Ala-Glu-Gly-Asn-Leu-
1641 Asn-Thr-Leu-Val-Thr-Glu-Met-Asn-Glu-Leu-
1651 Leu-Thr-Arg-Ala-Thr-Lys-Val-Thr-Ala-Asp-
1661 Gly-Glu-Gln-Thr-Gly-Gln-Asp-Ala-Glu-Arg-
1671 Thr-Asn-Thr-Arg-Ala-Lys-Ser-Leu-Gly-Glu-
1681 Phe-Ile-Lys-Glu-Leu-Ala-Arg-Asp-Ala-Glu-
1691 Ala-Val-Asn-Glu-Lys-Ala-Ile-Lys-Leu-Asn-
1701 Glu-Thr-Leu-Gly-Thr-Arg-Asp-Glu-Ala-Phe-
1711 Glu-Arg-Asn-Leu-Glu-Gly-Leu-Gln-Lys-Glu-
1721 Ile-Asp-Gln-Met-Ile-Lys-Glu-Leu-Arg-Arg-
1731 Lys-Asn-Leu-Glu-Thr-Gln-Lys-Glu-Ile-Ala-
1741 Gly-Asp-Glu-Leu-Val-Ala-Ala-Glu-Ala-Leu-
1751 Leu-Lys-Lys-Val-Lys-Lys-Leu-Phe-Gly-Glu-
1761 Ser-Arg-Gly-Glu-Asn-Glu-Glu-Met-Glu-Lys-
1771 Asp-Leu-Arg-Glu-Lys-Leu-Ala-Asp-Tyr-Lys-
1781 Asn-Lys-Val-Asp-Asp-Ala-Tyr-Asp-Leu-Leu-
1791 Arg-Glu-Ala-Thr-Asp-Lys-Ile-Arg-Glu-Ala-
1801 Asn-Arg-Leu-Phe-Ala-Val-Asn-Gln-Lys-Asn-
1811 Met-Thr-Ala-Leu-Glu-Lys-Lys-Glu-Ala-
1821 Val-Glu-Ser-Gly-Lys-Arg-Gln-Ile-Glu-Asp-
1831 Thr-Leu-Lys-Glu-Gly-Asn-Asp-Ile-Leu-Asp-
1841 Glu-Ala-Asn-Arg-Leu-Ala-Asp-Glu-Ile-Asn-
1851 Ser-Ile-Ile-Asp-Tyr-Val-Glu-Asp-Ile-Gln-
1861 Thr-Lys-Leu-Pro-Pro-Met-Ser-Glu-Glu-Leu-
1871 Asn-Asp-Lys-Ile-Asp-Asp-Leu-Ser-Gln-Glu-
1881 Ile-Lys-Asp-Arg-Lys-Leu-Ala-Glu-Lys-Val-
1891 Ser-Gln-Ala-Glu-Ser-His-Ala-Ala-Gln-Leu-
1901 Asn-Asp-Ser-Ser-Ala-Val-Leu-Asp-Gly-Ile-
1911 Leu-Asp-Glu-Ala-Lys-Asn-Ile-Ser-Phe-Asn-
1921 Ala-Thr-Ala-Ala-Phe-Lys-Ala-Tyr-Ser-Asn-
1931 Ile-Lys-Asp-Tyr-Ile-Asp-Glu-Ala-Glu-Lys-
1941 Val-Ala-Lys-Glu-Ala-Lys-Asp-Leu-Ala-His-
1951 Glu-Ala-Thr-Lys-Leu-Ala-Thr-Gly-Pro-Arg-
1961 Gly-Leu-Leu-Lys-Glu-Asp-Ala-Lys-Gly-Cys-
1971 Leu-Gln-Lys-Ser-Phe-Arg-Ile-Leu-Asn-Glu-
1981 Ala-Lys-Lys-Leu-Ala-Asn-Asp-Val-Lys-Glu-
1991 Asn-Glu-Asp-His-Leu-Asn-Gly-Leu-Lys-Thr-
2001 Arg-Ile-Glu-Asn-Ala-Asp-Ala-Arg-Asn-Gly-
2011 Asp-Leu-Leu-Arg-Thr-Leu-Asn-Asp-Thr-Leu-
2021 Gly-Lys-Leu-Ser-Ala-Ile-Pro-Asn-Asp-Thr-
2031 Ala-Ala-Lys-Leu-Gln-Ala-Val-Lys-Asp-Lys-
2041 Ala-Arg-Gln-Ala-Asn-Asp-Thr-Ala-Lys-Asp-
2051 Val-Leu-Ala-Gln-Ile-Thr-Glu-Leu-His-Gln-
2061 Asn-Leu-Asp-Gly-Leu-Lys-Lys-Asn-Tyr-Asn-
2071 Lys-Leu-Ala-Asp-Ser-Val-Ala-Lys-Thr-Asn-

IN Dalrymple M A; Foster D C; Garner I; Funkard D E
PA (PHAR-N) PHARM PROTEINS LTD.
(ZYMO) ZYMOGENETICS INC.
PI ***WO 9523868 A1 19950908 99p***
AI WO 1995-052648 19950301
PRAI US 1994-206176 19940303
DT Patent
LA English
OS 1995-320582 (41)
CR N-PSDB: AAT03853
DESC Human fibrinogen A-alpha chain protein.
AN AAR82244 Protein DSENE
AA 24 A; 42 R; 29 N; 35 D; 0 B; 9 C; 18 Q; 44 E; 0 Z; 72 G; 16 H; 19 I;
33 L; 40 K; 12 M; 20 F; 36 P; 91 S; 50 T; 11 W; 9 Y; 32 V; 0 Others
SQL 644
SEQ3

1 Met-Phe-Ser-Met-Arg-Ile-Val-Cys-Leu-Val-
11 Leu-Ser-Val-Val-Gly-Thr-Ala-Tip-Thr-Ala-
21 Asp-Ser-Gly-Glu-Gly-Asp-Phe-Leu-Ala-Glu-
31 Gly-Gly-Gly-Val-Arg-Gly-Pro-Arg-Val-Val-
41 Glu-Arg-His-Gln-Ser-Ala-Cys-Lys-Asp-Ser-
51 Asp-Tip-Pro-Phe-Cys-Ser-Asp-Glu-Asp-Tip-
61 Asn-Tyr-Lys-Cys-Pro-Ser-Gly-Cys-Arg-Met-
71 Lys-Gly-Leu-Ile-Asp-Glu-Val-Asn-Gln-Asp-
81 Phe-Thr-Asn-Arg-Ile-Asn-Lys-Leu-Lys-Asn-
91 Ser-Leu-Phe-Glu-Tyr-Gln-Lys-Asn-Lys-
101 Asp-Ser-His-Ser-Leu-Thr-Thr-Asn-Ile-Met-
111 Glu-Ile-Leu-Arg-Gly-Asp-Phe-Ser-Ser-Ala-
121 Asn-Asn-Arg-Asp-Asn-Thr-Tyr-Asn-Arg-Val-
131 Ser-Glu-Asp-Leu-Arg-Ser-Arg-Ile-Glu-Val-
141 Leu-Lys-Arg-Lys-Val-Ile-Glu-Lys-Val-Gln-
151 His-Ile-Gln-Leu-Leu-Gln-Lys-Asn-Val-Arg-
161 Ala-Gln-Leu-Val-Asp-Met-Lys-Arg-Leu-Glu-
171 Val-Asp-Ile-Asp-Ile-Lys-Ile-Arg-Ser-Cys-
181 Arg-Gly-Ser-Cys-Ser-Arg-Ala-Leu-Ala-Arg-
191 Glu-Val-Asp-Leu-Lys-Asp-Tyr-Glu-Asp-Gln-
201 Gln-Lys-Gln-Leu-Glu-Gln-Val-Ile-Ala-Lys-
211 Asp-Leu-Leu-Pro-Ser-Arg-Asp-Arg-Gln-His-
221 Leu-Pro-Leu-Ile-Lys-Met-Lys-Pro-Val-Pro-
231 Asp-Leu-Val-Pro-Gly-Asn-Phe-Lys-Ser-Gln-
241 Leu-Gln-Lys-Val-Pro-Glu-Tip-Lys-Ala-
251 Leu-Thr-Asp-Met-Pro-Gln-Met-Arg-Met-Glu-
261 Leu-Glu-Arg-Pro-Gly-Gly-Asn-Glu-Ile-Thr-
271 Arg-Gly-Gly-Ser-Thr-Ser-Tyr-Gly-Thr-Gly-
281 Ser-Glu-Thr-Glu-Ser-Pro-Arg-Asn-Pro-Ser-
291 Ser-Ala-Gly-Ser-Tip-Asn-Ser-Gly-Ser-Ser-
301 Gly-Pro-Gly-Ser-Thr-Gly-Asn-Arg-Asn-Pro-
311 Gly-Ser-Ser-Gly-Thr-Gly-Gly-Thr-Ala-Thr-
321 Tip-Lys-Pro-Gly-Ser-Ser-Gly-Pro-Gly-Ser-
331 Ala-Gly-Ser-Tip-Asn-Ser-Gly-Ser-Ser-Gly-
341 Thr-Gly-Ser-Thr-Gly-Asn-Gln-Asn-Pro-Gly-
351 Ser-Pro-Arg-Pro-Gly-Ser-Thr-Gly-Thr-Tip-
361 Asn-Pro-Gly-Ser-Ser-Glu-Arg-Gly-Ser-Ala-
371 Gly-His-Tip-Thr-Ser-Glu-Ser-Ser-Val-Ser-
381 Gly-Ser-Thr-Gly-Gln-Tip-His-Ser-Glu-Ser-

391 Gly-Ser-Phe-Arg-Pro-Asp-Ser-Pro-Gly-Ser-
401 Gly-Asn-Ala-Arg-Pro-Asn-Asn-Pro-Asp-Tip-
411 Gly-Thr-Phe-Glu-Glu-Val-Ser-Gly-Asn-Val-
421 Ser-Pro-Gly-Thr-Arg-Arg-Glu-Tyr-His-Thr-
431 Glu-Lys-Leu-Val-Thr-Ser-Lys-Gly-Asp-Lys-
441 Glu-Leu-Arg-Thr-Gly-Lys-Glu-Lys-Val-Thr-
451 Ser-Gly-Ser-Thr-Thr-Thr-Arg-Arg-Ser-
461 Cys-Ser-Lys-Thr-Val-Thr-Lys-Thr-Val-Ile-
471 Gly-Pro-Asp-Gly-His-Lys-Glu-Val-Thr-Lys-
481 Glu-Val-Val-Thr-Ser-Glu-Asp-Gly-Ser-Asp-
491 Cys-Pro-Glu-Ala-Met-Asp-Leu-Gly-Thr-Leu-
501 Ser-Gly-Ile-Gly-Thr-Leu-Asp-Gly-Phe-Arg-
511 His-Arg-His-Pro-Asp-Glu-Ala-Ala-Phe-Phe-
521 Asp-Thr-Ala-Ser-Thr-Gly-Lys-Thr-Phe-Pro-
531 Gly-Phe-Phe-Ser-Pro-Met-Leu-Gly-Glu-Phe-
541 Val-Ser-Glu-Thr-Glu-Ser-Arg-Gly-Ser-Glu-
551 Ser-Gly-Ile-Phe-Thr-Asn-Thr-Lys-Glu-Phe-
561 Ser-Ser-His-His-Pro-Gly-Ile-Ala-Phe-
571 Pro-Ser-Arg-Gly-Lys-Ser-Ser-Ser-Tyr-Ser-
581 Lys-Gln-Phe-Thr-Ser-Ser-Thr-Ser-Tyr-Asn-
591 Arg-Gly-Asp-Ser-Thr-Phe-Glu-Ser-Lys-Ser-
601 Tyr-Lys-Met-Ala-Asp-Glu-Ala-Gly-Ser-Glu-
611 Ala-Asp-His-Glu-Gly-Thr-His-Ser-Thr-Lys-
621 Arg-Gly-His-Ala-Lys-Ser-Arg-Pro-Val-Arg-
631 Gly-Ile-His-Thr-Ser-Pro-Leu-Gly-Lys-Pro-
641 Ser-Leu-Ser-Pro
HITS ATT: 55-62

L7 ANSWER 35 OF 36 DSENE COPYRIGHT 2004 The Thomson Corp on SYN
AN AAR80020 Protein DSENE
TI New hybrid proteins for use in tissue sealing and wound healing -
crosslinking a tissue-binding domain from a protein covalently linked to a
crosslinking domain of another protein
IN Irandi M H
PA (ZYMO) ZYMOGENETICS INC.
PI ***WO 9416085 A2 19940721 87p***
AI WO 1993-US12687 19931230
PRAI US 1992-998271 19921230
DT Patent
LA English
OS 1994-249231 (30)
CR N-PSDB: AAQ70008
DSSC Fibrinectin.
AN AAR60020 Protein DSENE
AA 24 A; 42 R; 29 N; 35 D; 0 B; 9 C; 18 Q; 44 E; 0 Z; 72 G; 16 H; 19 I;
33 L; 40 K; 12 M; 20 F; 36 P; 90 S; 50 T; 12 W; 9 Y; 32 V; 0 Others
SQL 643
SEQ3

1 Met-Phe-Ser-Met-Arg-Ile-Val-Cys-Leu-Val-
11 Leu-Ser-Val-Val-Gly-Thr-Ala-Tip-Thr-Ala-
21 Asp-Ser-Gly-Glu-Gly-Asp-Phe-Leu-Ala-Glu-
31 Gly-Gly-Gly-Val-Arg-Gly-Pro-Arg-Val-Val-
41 Glu-Arg-His-Gln-Ser-Ala-Cys-Lys-Asp-Ser-
51 Asp-Tip-Pro-Phe-Cys-Ser-Asp-Glu-Asp-Tip-
61 Asn-Tyr-Lys-Cys-Pro-Ser-Gly-Cys-Arg-Met-
71 Lys-Gly-Leu-Ile-Asp-Glu-Val-Asn-Gln-Asp-
81 Phe-Thr-Asn-Arg-Ile-Asn-Lys-Leu-Lys-Asn-
91 Ser-Leu-Phe-Glu-Tyr-Gln-Lys-Asn-Lys-
101 Asp-Ser-His-Ser-Leu-Thr-Thr-Asn-Ile-Met-
111 Glu-Ile-Leu-Arg-Gly-Asp-Phe-Ser-Ser-Ala-
121 Asn-Asn-Arg-Asp-Asn-Thr-Tyr-Asn-Arg-Val-
131 Ser-Glu-Asp-Leu-Arg-Ser-Arg-Ile-Glu-Val-
141 Leu-Lys-Arg-Lys-Val-Ile-Glu-Lys-Val-Gln-
151 His-Ile-Gln-Leu-Leu-Gln-Lys-Asn-Val-Arg-
161 Ala-Gln-Leu-Val-Asp-Met-Lys-Arg-Leu-Glu-
171 Val-Asp-Ile-Asp-Ile-Lys-Ile-Arg-Ser-Cys-
181 Arg-Gly-Ser-Cys-Ser-Arg-Ala-Leu-Ala-Arg-
191 Glu-Val-Asp-Leu-Lys-Asp-Tyr-Glu-Asp-Gln-
201 Gln-Lys-Gln-Leu-Glu-Gln-Val-Ile-Ala-Lys-
211 Asp-Leu-Leu-Pro-Ser-Arg-Asp-Arg-Gln-His-
221 Leu-Pro-Leu-Ile-Lys-Met-Lys-Pro-Val-Pro-
231 Asp-Leu-Val-Pro-Gly-Asn-Phe-Lys-Ser-Gln-
241 Leu-Gln-Lys-Val-Pro-Glu-Tip-Lys-Ala-
251 Leu-Thr-Asp-Met-Pro-Gln-Met-Arg-Met-Glu-
261 Leu-Glu-Arg-Pro-Gly-Gly-Asn-Glu-Ile-Thr-
271 Arg-Gly-Gly-Ser-Thr-Ser-Tyr-Gly-Thr-Gly-
281 Ser-Glu-Thr-Glu-Ser-Pro-Arg-Asn-Pro-Ser-
291 Ser-Ala-Gly-Ser-Tip-Asn-Ser-Gly-Ser-Ser-
301 Gly-Pro-Gly-Ser-Thr-Gly-Asn-Arg-Asn-Pro-
311 Gly-Ser-Ser-Gly-Thr-Gly-Gly-Thr-Ala-Thr-
321 Tip-Lys-Pro-Gly-Ser-Ser-Gly-Pro-Gly-Ser-
331 Ala-Gly-Ser-Tip-Asn-Ser-Gly-Ser-Ser-Gly-
341 Thr-Gly-Ser-Thr-Gly-Asn-Gln-Asn-Pro-Gly-
351 Ser-Pro-Arg-Pro-Gly-Ser-Thr-Gly-Thr-Tip-
361 Asn-Pro-Gly-Ser-Ser-Glu-Arg-Gly-Ser-Ala-
371 Gly-His-Tip-Thr-Ser-Glu-Ser-Ser-Val-Ser-
381 Gly-Ser-Thr-Gly-Gln-Tip-His-Ser-Glu-Ser-

71 Lys-Gly-Leu-Ile-Asp-Glu-Val-Asn-Gln-Asp-
81 Phe-Thr-Asn-Arg-Ile-Asn-Lys-Leu-Lys-Asn-
91 Ser-Leu-Phe-Glu-Tyr-Gln-Lys-Asn-Lys-
101 Asp-Ser-His-Ser-Leu-Thr-Thr-Asn-Ile-Val-
111 Glu-Ile-Leu-Arg-Gly-Asp-Phe-Ser-Ser-Ala-
121 Asn-Asn-Arg-Asp-Asn-Thr-Tyr-Asn-Arg-Val-
131 Ser-Glu-Asp-Leu-Arg-Ser-Arg-Ile-Glu-Val-
141 Leu-Lys-Arg-Lys-Val-Ile-Glu-Lys-Val-Gln-
151 His-Ile-Gln-Leu-Leu-Gln-Lys-Asn-Val-Arg-
161 Ala-Gln-Leu-Val-Asp-Met-Lys-Arg-Leu-Glu-
171 Val-Asp-Ile-Asp-Ile-Lys-Ile-Arg-Ser-Cys-
181 Arg-Gly-Ser-Tip-Ser-Arg-Ala-Leu-Ala-Arg-
191 Glu-Val-Asp-Leu-Lys-Asp-Tyr-Glu-Asp-Gln-
201 Gln-Lys-Leu-Leu-Glu-Gln-Val-Ile-Ala-Lys-
211 Asp-Leu-Leu-Pro-Ser-Arg-Asp-Arg-Gln-His-
221 Leu-Pro-Leu-Ile-Lys-Met-Lys-Pro-Val-Pro-
231 Asp-Leu-Val-Pro-Gly-Asn-Phe-Lys-Ser-Gln-
241 Leu-Gln-Lys-Val-Pro-Pro-Glu-Tip-Lys-Ala-
251 Leu-Thr-Asp-Met-Pro-Gln-Met-Arg-Met-Glu-
261 Leu-Glu-Arg-Pro-Gly-Gly-Asn-Glu-Ile-Thr-
271 Arg-Gly-Gly-Ser-Thr-Ser-Tyr-Gly-Thr-Gly-
281 Ser-Glu-Thr-Glu-Ser-Pro-Arg-Asn-Pro-Ser-
291 Ser-Ala-Gly-Ser-Tip-Asn-Ser-Gly-Ser-Ser-
301 Gly-Pro-Gly-Ser-Thr-Gly-Asn-Arg-Asn-Pro-
311 Gly-Ser-Ser-Gly-Thr-Gly-Gly-Thr-Ala-Thr-
321 Tip-Lys-Pro-Gly-Ser-Ser-Gly-Pro-Gly-Ser-
331 Ala-Gly-Ser-Tip-Asn-Ser-Gly-Ser-Ser-Gly-
341 Thr-Gly-Ser-Thr-Gly-Asn-Gln-Asn-Pro-Gly-
351 Ser-Pro-Arg-Pro-Gly-Ser-Thr-Gly-Thr-Tip-
361 Asn-Pro-Gly-Ser-Ser-Glu-Arg-Gly-Ser-Ala-
371 Gly-His-Tip-Thr-Ser-Glu-Ser-Ser-Val-Ser-
381 Gly-Ser-Thr-Gly-Gln-Tip-His-Ser-Glu-Ser-
391 Gly-Ser-Phe-Arg-Pro-Asp-Ser-Pro-Gly-Ser-
401 Gly-Asn-Ala-Arg-Pro-Asn-Asn-Pro-Asp-Tip-
411 Gly-Thr-Phe-Glu-Glu-Val-Ser-Gly-Asn-Val-
421 Ser-Pro-Gly-Thr-Arg-Arg-Glu-Tyr-His-Thr-
431 Glu-Lys-Leu-Val-Thr-Lys-Gly-Asp-Lys-Glu-
441 Leu-Arg-Thr-Gly-Lys-Glu-Lys-Val-Thr-Ser-
451 Gly-Ser-Thr-Thr-Thr-Arg-Arg-Ser-Cys-
461 Ser-Lys-Thr-Val-Thr-Lys-Thr-Val-Ile-Gly-
471 Pro-Asp-Gly-His-Lys-Glu-Val-Thr-Lys-Glu-
481 Val-Val-Thr-Ser-Glu-Asp-Gly-Ser-Asp-Cys-
491 Pro-Glu-Ala-Met-Asp-Leu-Gly-Thr-Leu-Ser-
501 Gly-Ile-Gly-Thr-Leu-Asp-Gly-Phe-Arg-His-
511 Arg-His-Pro-Asp-Glu-Ala-Ala-Phe-Asp-
521 Thr-Ala-Ser-Thr-Gly-Lys-Thr-Phe-Pro-Gly-
531 Phe-Phe-Ser-Pro-Met-Leu-Gly-Glu-Phe-Val-
541 Ser-Glu-Thr-Glu-Ser-Arg-Gly-Ser-Glu-Ser-
551 Gly-Ile-Phe-Thr-Asn-Thr-Lys-Glu-Ser-Ser-
561 Ser-His-His-Pro-Gly-Ile-Ala-Glu-Phe-Pro-
571 Ser-Arg-Gly-Lys-Ser-Ser-Tyr-Ser-Lys-
581 Gln-Phe-Thr-Ser-Ser-Thr-Ser-Tyr-Asn-Arg-
591 Gly-Asp-Ser-Thr-Phe-Glu-Ser-Lys-Ser-Tyr-
601 Lys-Met-Ala-Asp-Glu-Ala-Gly-Ser-Glu-Ala-
611 Asp-His-Glu-Gly-Thr-His-Ser-Thr-Lys-Ala-
621 Gly-His-Ala-Lys-Ser-Arg-Pro-Val-Arg-Gly-
631 Ile-His-Thr-Ser-Pro-Leu-Gly-Lys-Pro-Ser-

641 Leu-Ser-Pro
HITS AT: 55-62

FEATURE TABLE:
Key | Location | Qualifier |
Domain | 11357..1903 | label | cell-binding domain
Domain | 11357..1903 | note | facts as tissue-binding domain
Domain | 11332..1631 | label | cell-binding domain
Domain | 11332..1631 | note | facts as tissue-binding domain
Domain | 11332..1631 | label | cell-binding domain
Domain | 11332..1631 | note | facts as tissue-binding domain
Domain | 11332..1631 | label | cell-binding domain
Domain | 11332..1631 | note | facts as tissue-binding domain

L7 ANSWER 36 OF 36 DSENE COPYRIGHT 2004 The Thomson Corp on STN
AN AARS6269 peptide DSENE
TI Synthetic peptide(s) and antibodies against fragment E - derived from
plasma-cleaved fibrinogen useful for therapy of disturbances in the
fibrinolytic system

IN Kraus M; Stueber W
PA (BEHM) BEHRINGER AG.
PI ***DE 4242736 A1 19940623 33p***
AI DE 1992-4242736 19921217
PRAI DE 1992-4242736 19921217
DT Patent

LA German
OS 1994-209452 (26)
DESC Peptide corresponding to C-terminal fragment of cleaved fibrinogen.

AN AARS6269 peptide DSENE
AA 1 A; 2 R; 5 N; 6 D; 0 B; 4 C; 3 Q; 3 E; 0 Z; 2 G; 1 H; 2 I; 3
L; 6 K; 1 M; 3 F; 2 P; 5 S; 1 T; 2 W; 2 Y; 1 V; 0 Others
SOL 55
SEQ3

1 His-Gln-Ser-Ala-Cys-Lys-Asp-Ser-Asp-Tip-
11 Pro-Phe-Cys-Ser-Asp-Glu-Asp-Tip-Asn-Tyr-
21 Lys-Cys-Pro-Ser-Gly-Cys-Arg-Met-Lys-Gly-
31 Leu-Ile-Asp-Glu-Val-Asn-Gln-Asp-Phe-Thr-
41 Asn-Arg-Ile-Asn-Lys-Leu-Lys-Asn-Ser-Leu-
51 Phe-Glu-Tyr-Gln-Lys
HITS AT: 13-20

=> d hls

(FILE 'HOME' ENTERED AT 15:27:24 ON 07 OCT 2004)

FILE 'DSENE' ENTERED AT 15:28:00 ON 07 OCT 2004

RUN GENSE CIPROST [ANDOGILMPSTWV] [ES] [PDENOSTY] [W[LINQSTV] [

L1 RUN STATEMENT CREATED
L2 334 DUP REM L1 (0 DUPLICATES REMOVED)
L3 334 S L2
L4 334 S L2 NOT "WESCOTT CHARLES RV/IN
E WESCOTT/IN

L5 334 S L2
L6 300 S L2 NOT E4
L7 36 S L6 AND PY <=2001

=> log h
COST IN U.S. DOLLARS
FULL ESTIMATED COST
SINCE FILE
ENTRY
TOTAL
SESSION
387.53
387.74

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 15:34:21 ON 07 OCT 2004

Connecting via Winsock to STN

Welcome to STN International! Enter X:X

LOGIND:SSSPFA1653RAW

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

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resulting in a closer connection to EBBS
NEWS 4 IFIRAI/IFIRUB/IFICDB reloaded with new search and display
fields
NEWS 5 Capius and CA patent records enhanced with European and Japan
Patent Office Classifications
NEWS 6 AUG 02 The Analysis Edition of STN Express with Discover!
(Version 7.01 for Windows) now available
NEWS 7 BIOTECBAS/BIOTECHDS: Two new display fields added for legal
status data from INPADOC
NEWS 8 SEP 01 INPADOC: New family current-awareness alert (SDI) available
New pricing for the Save Answers for Scifinder Wizard within
STN Express with Discover!
NEWS 9 SEP 01 New display format, HTSTR, available in WPIDS/WPINDEX/WPIX
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NEWS 11 SEP 27 SWETSCAN will no longer be available on STN
NEWS 12 SEP 27
NEWS 13
NEWS 14
NEWS EXPRESS
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MACINTOSH VERSION IS V6.0(ENG) AND V6.0(UCP),
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
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=> file reg
COST IN U.S. DOLLARS
FULL ESTIMATED COST
SINCE FILE
ENTRY
TOTAL
SESSION
0.21
0.21

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DICTIONARY FILE UPDATES: 6 OCT 2004 HIGHEST RN 757927-15-4

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=> s C(PNOST)[ANDOIGLPESTWV][ES][PDENOSTV][WLNOSTV][FW]/C/SCSP
17 C(PNOST)[ANDOIGLPESTWV][ES][PDENOSTV][WLNOSTV][FW]/C/SCSP

=> file caplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST
SINCE FILE
ENTRY
TOTAL
SESSION
26.92
27.13

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FILE COVERS 1907 - 7 Oct 2004 VOL 141 ISS 15
FILE LAST UPDATED: 6 Oct 2004 (20041006/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 11
L2 4 11

=> s 12 and PK<=2001
21560072 PK<=2001
L3 0 L2 AND PK<=2001

=> log h
COST IN U.S. DOLLARS
FULL ESTIMATED COST

	SINCE FILE ENTRY	TOTAL SESSION
	2.26	29.39

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 18:59:47 ON 07 OCT 2004